RECEIVED
JUN 2 1937
LIBRARY
THE CHEMISTS' CLUB

Oil, Paint and Drug Reporter

THE MARKET AUTHORITY SINCE 1871

CHEMICALS ~ DYESTUFFS ~ DRUGS ~ PAINTS ~ OILS ~ FERTILIZERS

Volume 131 MAY 31, 1937 Number 22

Acetic Acid • Charcoal • Creosote Oils • Ethyl Acetate • Ferrous Acetate (Iron Liquor) • Hardwood Pitch • Methanol

Cliffs Dow

CLIFFS DOW CHEMICAL COMPANY
MARQUETTE, MICHIGAN

DEVOTED TO THE EXCLUSIVE PRODUCTION OF WOOD CHEMICALS AND ALLIED PRODUCTS

Branch Sales Offices:
30 Rockefeller Plaza, New York City • Second and Madison Streets, St. Louis
135 South La Salle Street, Chicago

BARIUM SULPHATE
(BLANC FIXE)
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

ACETATE OF SODA
(Crystals)

SODIUM SULPHIDE
(Fused, Broken or Flake)

CHLOROPHYLL
(Water, Oil, or Alcohol Soluble)

R. W. GREEFF & CO., Inc.
10 East 40th Street - - - New York

WM. S. GRAY & CO.
342 MADISON AVENUE
NEW YORK CITY

Acetate of Soda

DU PONT
REG. U.S. PAT. OFF.

PURE SYNTHETIC
METHANOL
MERITS YOUR CONSIDERATION

BECAUSE OF ITS HIGH PURITY AND UNIFORMITY, DU PONT SYNTHETIC METHANOL HAS BEEN FOUND APPLICABLE TO MANY NEW INDUSTRIAL USES. AS A SOLVENT ITS ECONOMY IS PROVEN.

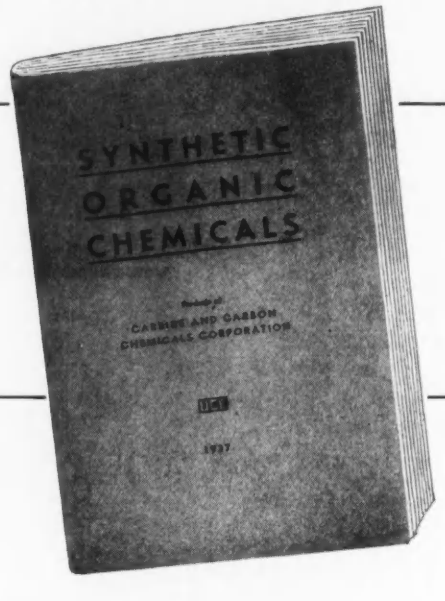
WRITE FOR PARTICULARS
E. I. DU PONT DE NEMOURS & CO., INC.
NATIONAL AMMONIA DIVISION
Frankford, Philadelphia, Pennsylvania
Empire State Bldg. New York, N. Y. 3600 N. Broadway St. Louis, Mo.

20 MULE TEAM BORAX

Guaranteed 99½% to 100% Pure
BORAX
BORIC ACID
Refined and U. S. P.
» Crystal » Granulated » Powdered » Impalpable »
» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate
Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York
CHICAGO LOS ANGELES

1937 Edition



SPECIFICATIONS, properties and uses of over eighty organic chemicals are included in this 1937 Edition of "Synthetic Organic Chemicals". This booklet has become, through its eight editions, an interesting and useful industrial reference manual on aliphatic alcohols, amines, aldehydes, esters, chlorhydrocarbons, glycols, ketones and other chemical families.

The revised, 1937 Edition contains, in addition to a product index, a new application index to facilitate the finding of references to uses of chemicals in particular industries. A completely new chapter on "Vinylite"* resins describes the recent advances in these plastics. Among other valuable data added is a list of properties of nine new amines that have recently become available.

No effort has been spared to make the data authoritative and up-to-the-minute. Much of the information is based upon the wide experience of the technical staff of Carbide and Carbon Chemicals Corporation and can be obtained from no other source.

You can obtain your copy of the 1937 "Synthetic Organic Chemicals" immediately and without obligation by asking for it on your business stationery.

*Trade-Mark

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

RECEIVED
JUN 2 1937
LIBRARY
THE CHEMISTS' CLUB

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 131 | MAY 31, 1937 | Number 22

Chemical Workers And Payrolls Gain

April Employment 12 Percent And Wages 31 Percent Above Level of 1936

Employment in factories engaged in the manufacture of chemicals and related products in the United States made a gain from March 15 to April 15, 1937, an increase of 1.3 percent being reported by the Bureau of Labor Statistics. At the end of the monthly period employment stood 12.7 percent above the corresponding level for April, 1936. Payroll totals increased 6.1 percent in the monthly period, and stood 31 percent above the April, 1936, level.

The Bureau of Labor Statistics' index number for factory employment in the chemical group of industries, April 15, 1937, was 126.6 (100=1923-25 average), compared with 124.9 for March, 1937, and 112.3 for April, 1936. The bureau's index number (same basis) for payroll totals was 136.0 at April 15, 1937, compared with 128.1 for March, 1937, and 103.8 for April, 1936.

The bureau's general index numbers for all manufacturing industries, April 15, 1937, show the following comparisons:—

	April, 1937.	March, 1937.	April, 1936.
Employment	102.2	101.1	89.1
Payrolls	104.8	101.1	79.3

Employment in the chemical group of industries, April 15, 1937, was 23 percent above the general average for all industries, and 42 percent above the general average for April, 1936. Payroll totals were 29 percent above the general average for all industries April 15, 1937, and 71 percent above the general average for April, 1936.

Detailed Comparisons

Details for the several divisions comprised in the calculation of the Bureau of Labor Statistics' April 15 index numbers for the chemical group of industries show the following comparisons:—

Employment

(100=1923-25 average)

	April, 1937.	March, 1937.	April, 1936.
Chemicals	135.3	134.0	115.8
Cottonseed oil, cake and meal	58.7	68.7	51.8
Druggists' preparations	112.2	112.2	102.3
Explosives	92.4	90.2	79.8
Fertilizers	151.5	135.9	119.8
Paints and varnishes	138.2	134.6	125.2
Petroleum refining	122.4	120.5	116.5
Rayon and allied products	378.1	373.3	325.4
Soap	107.2	111.0	95.1

(Continued on page 36)

Price-Maintenance Will Be Debated

The benefits of price-maintenance will be debated at a luncheon meeting, June 8, of the Drug, Chemical and Allied Trades Section of the New York Board of Trade. The question at issue will be "Price-Maintenance: Is It Beneficial?" The affirmative speaker will be Walter J. Quinlan, sales manager for the International Cellucotton Products Company. The negative argument will be made by Ralph I. Straus, secretary of R. H. Macy & Co. Subsequently the subject will be opened for general discussion.

The debate will follow luncheon in the Hotel Commodore at 12:30 p.m. Thomas R. Farrell, editor of *The Drug and Cosmetic Industry*, will be toastmaster.

The charge for the luncheon will be $1.50. Tables of ten can be arranged. Reservations are being handled by Ray Schlotterer, secretary of the section, 41 Park row.

Floor Wax Makers Launch Association

Representatives of a number of manufacturers of floor wax, at a recent meeting in this city, started the organization of an association to be known as the National Association of Floor Wax Manufacturers. A broad program was outlined, and a committee on organization was appointed to perfect details, including the drafting of a constitution and by-laws and the formulation of membership eligibility rules, financing plans, and a statement of objectives.

The members of this committee are Leo Lowenstein, of the D. A. Collins Company, Brooklyn, chairman; Richards Jarden, president of the Franklin Research Company, Philadelphia; Joseph Green, president of the Oil Specialties & Refining Company, Brooklyn; and Leo Kornicker, of the Uncle Sam Chemical Company, New York.

Among the purposes of the new organization are the following:—

Definition of terms used in the industry.

Determination of standards of various products with which the industry deals.

Setting up of specifictations as guides for buyers.

Determination of requirements for labeling in different trading areas.

Campaign for publicity favorable to the industry's products.

Survey of raw material markets and methods of purchasing.

Possibilities of exchange of credit information.

Supplying members with information concerning laws which affect wax producers.

Among the companies that have interested themselves in the movement for the association are:—

American Wax Company, Baltimore Paint & Color Works, Clifton Chemical Company, D. A. Collins Company, Davies-Young Soap Company, Franklin Research Company, Fuld Brothers, Harley Soap Company, R. M. Hollingshead Corporation, A. C. Horn Company, Masco Chemical Company, Mitchell-Rand Company, Oil Specialties & Refining Company, Renu Products Company, J. A. Tumbler Laboratories, Twi-Laq Chemical Company, Uncle Sam Chemical Company, Vestal Chemical Company, Wilbert Products Company, Windsor Wax Company.

Excise Tax Extension Deferred in Congress

WASHINGTON, May 27, 1937.

The house committee on ways and means has as yet taken no action on the request of the Treasury Department for legislation extending for another two years all excise and import taxes which otherwise will expire June 30.

Chairman Robert L. Doughton of North Carolina has introduced a bill (H.J. Res. 375) to accomplish this, and it is probable that the measure will be reported out without hearings. It is understood that the strategy will be to delay its consideration by Congress until close to the expiration date in order to reduce pressure expected to be brought by interested industries for elimination of some of the taxes.

Included in the taxes which would be continued are those on gasoline, lubricating oil, and toilet preparations, the 3-cent first-class postage rate, and import taxes on petroleum, copper, and lumber.

Consumer Information By B. of S. Proposed

WASHINGTON, May 26, 1937.

Representative H. Jerry Voorhis of California has introduced a bill (H.R. 7209) to require the National Bureau of Standards to make available to the public on request any factual information which the bureau may have regarding the "quality, degree of harmful adulteration, and physical effect upon consumers" of commercial products manufactured in the United States.

Wage and Hour Limitations Are Proposed in Congress

Black and Connery Sponsor Bill to Fix Bases and Set Up Board to Determine Scales for Different Industries and Regions

WASHINGTON, May 24, 1937.

A proposal to revive in large part the labor provisions of the NRA was launched by the administration today with a message to Congress from President Roosevelt and the introduction of bills in both houses of Congress.

The proposal is for a Federal law to fix a basic maximum work week, and a basic minimum wage, to prohibit child labor, and to create a Labor Standards Board to handle adjustments, exceptions, and exemptions, and to fix respective wage and hour rates for various industries under certain conditions. The law would apply only to industries affecting interstate commerce, and local activities, service trades, and concerns employing only a small number of persons would be exempt.

As a means of enforcement, goods not produced in conformity with the law or orders of the board would not be permitted to be shipped in interstate commerce, a proposal which is admittedly contrary to the five-to-four decision of the Supreme Court of the United States in 1918 declaring the child labor act unconstitutional. A direct reversal of this decision would be required to uphold the proposed new law, but the supreme court's recent decisions, particularly those upholding the Wagner labor act, State minimum wage laws, and the social security act, have encouraged the administration to believe that the child labor decision will be reversed.

The new proposal contains no provisions for fair trade practices or for codes, and industrial groups would have no control over the fixing or enforcement of wage and hour provisions beyond the privilege of appealing to the board and appearing at hearings.

Embodied in Two Bills

As soon as the President's message was read, almost identical bills (S. 2475 and H. R. 7200) were introduced by Senator Hugo Black of Alabama and Representative William P. Connery, jr., of Massachusetts, chairmen of the senate and house committees on labor. The bill, forty-eight pages in length, is carefully drawn with respect to the delegation of powers to the proposed Labor Standards Board, but as yet contains blanks in the provisions relating to minimum wages and maximum hours. These blanks will be filled after hearings have been held, but general discussion has ranged around a basic workweek of forty hours and a minimum wage of 40 cents an hour.

Hearings are scheduled to begin June 1, and will be expedited as much as possible, and supporters of the measure hope that it may be enacted into law before the middle of the summer.

President Roosevelt's message did not outline the provisions of the bills, but was couched in general terms and spoke of rudimentary standards of labor practices, saying:—

To protect the fundamental interests of free labor and a free people we propose that only goods which have been produced under conditions which meet the minimum standards of free labor shall be admitted to interstate commerce. Goods produced under conditions which do not meet rudimentary standards of decency should be regarded as contraband and ought not to be allowed to pollute the channels of interstate trade.

Based on Wagner Act Ruling

The Black-Connery bill adopts the same definition of interstate commerce which the supreme court recently upheld in the Wagner act decision, and which would make the wage and hour provisions applicable to any employment which might be shown to affect interstate commerce. While there is nothing specific in the bill to that effect, it is understood that there is no intention of making it apply to retailing, and that wholesaling would be covered only where it affects interstate commerce.

The bill defines "oppressive wage" and "oppressive work week," but with the figures still to be supplied, and prohibits interstate shipment or sale of goods produced under such conditions. The same prohibition would apply to

(Continued on page 36)

Southern Cooperatives Have $1,000,000 Month

BALTIMORE, May 26, 1937.

Celebrating the first $1,000,000-month business since the chartering of the organization, the Southern States Cooperative, Inc., gave a banquet at the Lord Baltimore hotel May 14, with a large number of distinguished guests joining with the officers and department heads of the company. Among those who attended were William F. Meyers, of the Farm Credit Administration; Dr. F. B. Bomberger, president of the Baltimore Bank for Cooperatives; H. E. Babcock, of the G. L. F. Exchange, the largest farm supply cooperative in the United States, and most of the representative farm bureau leaders of Maryland.

Mr. Babcock was the speaker of the evening.

A silver loving cup was presented to W. G. Wysor, manager of the Southern States Cooperative, by the officers and department heads, in appreciation of his leadership in making the million-dollar month possible.

At a meeting of the board, authorization was given for the construction of a new fertilizer plant at Norfolk, Va., to cost $300,000.

Alabama Seeks Foreign Trade Zone at Mobile

The Alabama State Docks Commission has filed an application with the Department of Commerce for a grant to establish a foreign-trade zone at Mobile, and the foreign trade zones board of the department has called a public meeting to be held by an examiners committee in Mobile June 10 to hear the application.

All parties wishing to be heard must file a written or telegraphic request before noon June 5, either with the examiners committee, room 420, Courthouse and Customshouse building, Mobile, where the hearing will be held, or with the executive secretary of the foreign trade zones board, room 3054, Department of Commerce building, Washington.

Veteran druggists' organizations of Baltimore and the District of Columbia held their annual fraternalizing meeting May 20 in the Olney Inn. H. W. Allen, Baltimore, presided at the dinner.

Closing Market Developments

London Closing Cable

LONDON, May 28, 1937.

Beeswax was quoted at 140s per hundredweight.

Cyanamide Price Advanced

The opening contract price for pulverized cyanamide for mixing or manufacturing purposes for the season beginning July and extending through June, 1938, will be $1.15 per unit of ammonia in bags in minimum cars, f.o.b. destination whether port or inland. The granular product in 100-pound bags will be $32.50 per ton, delivered in the states East of the Mississippi river and north of Florida. Deliveries in Florida and west of the Mississippi will be $33.50 per ton.

Juniper Tar Oil Up

Prices on Juniper tar oil were advanced to the basis of 50c. per pound late past week, and the quotation was virtually nominal. Stocks were small and sellers showed great reserve in making offerings. The quality of oil reaching here from Spain was reported to be far below standard.

Copaiba Balsam Down Again

Balsam copaiba were reduced a second time last week when quotations on Para were established at 38c. to 39c. per pound, and those on South American U.S.P. goods went to 40c. to 41c. late in the period. Competition was reported to be considerably keener.

Sulphur Chloride Higher

Prices for sulphur chloride were higher on contract at 3c. per pound for car lots; 5 drums or over, 3¾c. per pound, and 1-4 drums, 4c. per pound. Contract prices are freight allowed east of the Mississippi River and north of the Ohio River. Spot prices are ½c. per pound higher.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Medicinal Products:—Cuba, by presidential decree, has modified its pharmaceutical regulations to prohibit untruthful or unethical advertising of medicinal products, and to provide that samples for distribution must be accompanied by all of the details required for the registration of the prepared original product.

Toilet Soap:—Netherlands has continued for six months from April 1 the expiring quota restrictions on toilet soap.

Vegetable Oils:—French West Africa has modified its schedule of export duties and made vegetable oils subject to export duty, effective June 1.

N.Y.P.V.P.C. Arranges Outing Transportation

Plans are taking shape for the annual outing of the New York Paint and Varnish Production Club, which will be held Friday to Sunday, June 18-20, at Wilmington, Del., where the club will be guests of the Krebs Pigment & Color Corporation.

The club will make its headquarters at the Hotel DuPont, where an informal reception will be held Friday night, June 18. After breakfast the following morning, there will be a tour of the Krebs pigment plant at Newport, Del., and an inspection of test fences in Wilmington. The afternoon program consists of golf, tennis and other sports activities at the Concord Country Club: a visit to the DuPont estates is also being arranged for those who do not care to participate in the athletic events. A dinner and entertainment will be held at the hotel Saturday night. The Sunday program also provides for sports and a dinner in the afternoon. The return trip to New York will begin at 7:10 o'clock, Sunday evening.

The trip will be made via the Baltimore & Ohio and the train will leave the Jersey City terminal at 7 o'clock D.S.T. There will be two special cars and an extra diner for the club's private use. B. & O. coaches to meet the train will leave the following points at the time (p. m. D. S. T.) indicated): —Brooklyn, 191 Joralemon street, 6:10; Hotel St. George, 6:13; New York, 122 East 42d street, 6:10; 59th street and Broadway, 6:10; 35 West 33d street, 6:10; Pennsylvania Hotel, 32d street entrance, 6:15; 49th street and Rockefeller Plaza, 6:20; Newark, Broad street station of C. R. R. of N. J., 6:55.

Chemical Price Trend Upward

The price movement was somewhat more active last week in the markets for heavy and fine chemicals. The applications of the changes were diversified, and their effect was heavier in the upward direction. Business was but little changed in volume; although spot buying was slowed a bit, unfilled orders enabled producers to maintain operations at a seasonally good level. Activities in some of the larger consuming industries were being tapered off. Buying of coal-tar intermediates broadened, but was still not up to the volume of the first quarter.

Prices were advanced on cresylic acid, U.S.P. cresol, pyridin, sulphur chloride, quicksilver, corrosive sublimate, calomel, Batu copal, Batavia dammar, several kauries, and imported steamed bone. Higher contract prices were announced for the new season on cyanamide, sulphate of ammonia, and urea-ammonia liquor. Prices were reduced on tin crystals, tetrachloride of tin, stannate of soda, saponified and soaplye glycerins, domestic casein, domestic tankage, domestic and imported dried blood, imported dicalcium phosphate, menhaden scrap, and Japanese sardine scrap.

The REPORTER'S composite index number of prices for heavy and fine chemicals was not appreciably changed from 126.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89,6, against 88.7 at this time last year.

Contents of This Issue

News and Statistics

A.P.I. Advances Opening Date..... 70
Alabama Seeks Foreign Trade Zone at Mobile..... 3
American I. G. Chemical Earnings at $4,684,768 33
Ballard Named Dean of New York Pharmacy College..... 4
Buffalo P.V.L.A. Elects..... 33
Behrens Drug Co. to Open Branch in Lubbock, Tex..... 40
Baer to Wed..... 40
Chemical Workers and Payrolls Gain 3
Consumer Information by B. of S. Proposed 3
Chemical Buyers Elect Van Voorhis Chairman 33
Cinchona Exports Increase 60 Percent in Valuation..... 58
Cleveland P.V.L.A. Elects J. A. Gehring President..... 40
Credit Men Convene June 21-24.... 69
Ciba Company Name Unchanged.... 35
Cottonseed Statistics: August-April. 43
Drug Law Revision Delay Offers Puzzle 5
DuPont Employees Form Independent Organizations 33
Excise Tax Extension Deferred in Congress 3
Ethyl-Dow Doubling Its Seaside Chemistry Plant..... 35
Floor Wax Makers Launch Association 3
Fertilizer Industry Convenes June 7 to 9..... 5
Flavor Makers Discuss Laws..... 5
Ferrell, Kicker Join Seidlitz..... 40
Glidden Plans to Increase Stock.... 70
Gasoline Freights Advanced..... 43
Interchemical Elects Officers..... 33
Insecticide, Disinfectant Ass'n Meets June 7-8 28
International Nickel Income Up.... 60
Lime Acetate Freights Up..... 43
McCormick Manager Finds S.A. Looks to U.S. as Best Market..... 54
Margarin Manufacturing Operations in March..... 43
N.Y.P.V.P.C. Arranges Outing Transportation 4
Natural Gasoline Groups Meet and Elect 5
N.P.V.L.A. to Drive on Suppliers.. 5
New Jersey Pharmacists Hear Dr. Beal and Dean Schicks..... 47
N. Y. Extends Alcohol Permits..... 47
Nobel's Explosives Reopens..... 60
Price Maintenance Will Be Debated. 3
Petroleum Market Status..... 59
Petroleum Production..... 60
Proprietary Association Convention. 49
Richardson to Be LL.D..... 47
Rowlands Opens Largest Tung Oil Mill in U. S..... 40
Southern Co-operatives Have $1,000,000 Month..... 3
Social Security Taxes Held Valid.. 5
S.O.C.M.A. to Picnic at Seaview June 3 and 4..... 5
Searle & Co. Engages Dillon..... 69
S.-W. Again Sponsoring "Radioland" at Exhibit..... 43
Standard Oil of N. J. Income Increased 55 Percent in 1936..... 60
Toilet Goods Association Convention. 57
U. S. Revenue: April..... 54
Unilever Profits Rose 42 Percent in 1936..... 43
Wage and Hour Limitations Proposed in Congress..... 3
Wilson & Bennett Company Enlarges Its Chicago Plant..... 40

General Features

Advertisers' Index 71
Bids Wanted 58
Chemical Price Trends..... 4
Classified Advertisements..... 70
Closing Market Developments.... 4
Contracts Awarded..... 58
Corporation Earnings..... 69
Dividends Declared..... 69
Editorials 26
Foreign Tariff Notes..... 4
Foreign Trade Openings..... 69
Industrial Uses of Chemicals.... 34
Obituaries 4
Prices Current..... 7
Scientific, Professional Services.. 62
Some New Books..... —
Trade News Briefs..... 43
What You Can Use..... 60
Where You Can Sell..... 34

Market Reports

Botanical Drugs, Spices, Gums... 53
Coaltar Chemicals..... 32
Drugs and Fine Chemicals..... 45
Dyestuffs and Textile and Leather Chemicals..... 35
Essential Oils and Aromatics.... 55
Fertilizer Materials..... 61
Heavy Chemicals..... 29
Oils, Fats and Waxes..... 41
Paint, Varnish, Lacquer Materials 37
Petroleum Solvents, Lubricants, Fuels 59

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 68
Exports 66
Imports 63
Imports Detained..... 68

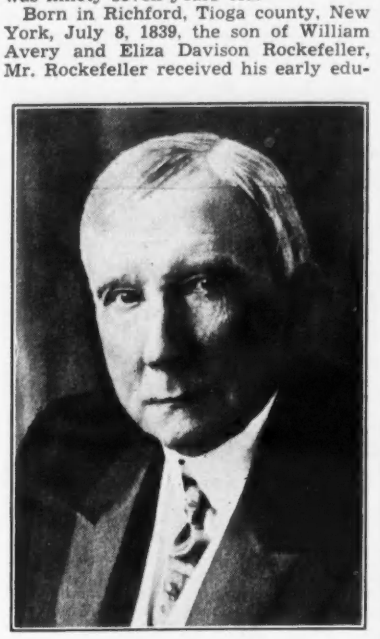
Oil, Paint and Drug Reporter, Volume 131, No. 22, May 31, 1937. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 12 Gold Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Obituaries

John D. Rockefeller

John Davison Rockefeller, creator of the vast Standard Oil enterprises; one of the world's wealthiest men, and probably its greatest philanthropist, died May 23, in his sleep, in his Winter home in Ormond Beach, Fla., from hardening of the heart muscles. He was ninety-seven years old.

Born in Richford, Tioga county, New York, July 8, 1839, the son of William Avery and Eliza Davison Rockefeller, Mr. Rockefeller received his early education in Owego and in Cleveland, to which city his family moved. He began his career as a bookkeeper for a Cleveland produce merchant, and three years later, with Maurice Clark, went into the produce commission and forwarding business, under the firm name of Rockefeller & Clark.



John D. Rockefeller

In 1859, the first petroleum well was brought in near Titusville, Pa., and the refining of kerosene created a new illuminant. Mr. Rockefeller's commission firm was doing a business of several hundred thousand dollars a year. In 1863, he and his partner Clark and Samuel Andrews, built a small refinery near Cleveland, and the firm prospered so well that within two years Mr. Rockefeller sold his produce interests, and with Andrews formed the petroleum firm of Rockefeller & Andrews.

Kerosene was winning favor in foreign lands, and Mr. Rockefeller, with his brother William, formed a separate export house, under the name of William Rockefeller & Co., opening offices in this city in 1867. Further expanding his business, Mr. Rockefeller obtained an advance of $60,000 from S. V. Harkness, whiskey distiller, and took in Mr. Harkness' son-in-law, Henry M. Flagler, changing the company name to Rockefeller, Andrews & Flagler. Several competitors were absorbed and in January, 1870, the Standard Oil Company of Ohio was incorporated with authorized stock capitalization of $1,000,000.

New speculative capital continued to flow into the oil industry and the boom was followed by inevitable depression. Oil properties were sold frantically. Meanwhile Standard Oil had increased its capital to $2,500,000, and it bought

(Continued on page 69)

Ballard Named Dean of N.Y. Pharmacy College

Dr. Charles W. Ballard, professor of materia medica, in the College of Pharmacy of the City of New York, Columbia University, has been named acting dean of the school by Dr. Nicholas Murray Butler, president of Columbia. He will succeed Dr. Henry V. Arny, whose retirement becomes effective June 1.

Reorganization of the work of the college of pharmacy, which has largely been worked out by Dr. Ballard, will be coincidental with his entrance upon the duties of dean. A four-year course will be adopted, with higher standards of admission, a closer tie-up with the university, and the introduction of academic studies.

Dr. Ballard has been a member of the teaching faculty of the college of pharmacy for thirty years, and for twenty years he has been associated with the municipal health department as a food and drug analyst.

Natural Gasoline Groups Convene, Elect Officers

TULSA, Okla., May 24, 1937.

The sixteenth annual convention of the Natural Gasoline Association of America came to a close here Friday with the election of the following officers for the coming year:—

President, J. A. La Fortune, vice-president of the Warren Petroleum Company, Tulsa; vice-president, Ray E. Miller, vice-president of Hanlon-Buchanan, Inc., Tulsa; R. F. Beckley, of the Standard Oil Company of California, San Francisco, and J. R. Jarvis, of the Lone Star Gas Company, Dallas; secretary-treasurer, W. F. Lowe (re-elected).

R. C. Alden, director of research of the Phillips Petroleum Company, Bartlesville, Okla., received the E. I. Hanlon award for the most meritorious and distinctive service rendered to the natural gasoline industry. This is the first time the award, a beautful octagon-shaped watch, has been made, and a similar award will be made each year. Cash prizes for the best operating ideas submitted were awarded to a committee consisting of Anson G. Dwen, J. R. Jarvis and V. H. Smith.

The Natural Gasoline Supply Men's Association, holding its convention simultaneously, elected the following officers for the coming year:—

President, D. W. McCay, of the Copper Bessemer Corporation; vice-presidents, D. E. Fields, of the Tulsa Boiler Machine Company, and A. J. Kerr, of the Pittsburgh Equitable Meter Company; treasurer, V. C. Canter, of the Frick Reid Supply Corporation, and secretary, W. F. Lowe.

Fred Ketchum, of the natural gas department of the Owens-Illinois Glass Company, spoke on operating conditions in West Virginia. G. G. Oberfell, vice-president of the Phillips Petroleum Company, and E. H. Shepard, research engineer for the Chevrolet Motor Company, indicated in their separate addresses that more mileage could be expected from gasoline in the future if the production of 100 octane gasoline could be stepped up to a sufficiently high level where automotive engineers could adapt automobile fuel systems generally for this fuel. W. B. Fulton, of the United Gas Public Service Company, gave an analysis of the constituents of natural gas; S. A. Giraud, of the Humble Oil & Refining Company, discussed the refiner's viewpoint in the use of natural gasoline used in blending and also introduced into crude oil before processing. Other talks covered polymerization and crude and [illegible] gas stabilization, by E. O. Bennett and C. R. Williams, of the Continental Oil Company, and Dr. G. G. Brown and D. L. Katz, of the University of Michigan.

N.P.V.L.A. to Drive on Paint Industry Suppliers

The steering committee of the membership committee of the National Paint, Varnish and Lacquer Association met in the Palmer House hotel, Chicago, May 21, with the following in attendance:—J. Vincent Reardon, chairman; H. W. Constant, representing the wholesale division; O. J. Biddle, Frank Clarke, Fred A. Jensen, E. R. Kyger, J. A. Frederickson, representing the Federation of Paint and Varnish Production Clubs; Ernest T. Trigg, president of the association; C. N. Seidlitz, vice-president; E. R. Drake, secretary of the wholesale division, and Reuel W. Elton, secretary of the association.

Mr. Reardon presented plans for a brief but intensive membership campaign to present the story of association benefits to the manufacturers eligible to membership who are still going alone. A special effort is to be made to convince suppliers to paint, varnish and lacquer manufacturers of their interest in the organized promotion and protective program of the paint industry, and a new list of suppliers who are supporting the industry's organized program through class B membership in the National Paint, Varnish and Lacquer Association is to be distributed to all present members of the organization.

Marjoram leaves, imported in bales, have been held by the United States Customs Court, Third Division, to be free of duty, under paragraph 1722 of the tariff act. The Knickerbocker Mills Company was upheld in its protest against classification of the herb as a spice dutiable at 25 percent ad valorem.

Social Security Taxes Held Valid

Supreme Court Supports Unemployment Insurance and Old Age Benefits Levies

WASHINGTON, May 24, 1937.

In a series of three decisions the Supreme Court of the United States today upheld the validity of the entire social security program, specifically State and Federal taxes on employers for unemployment insurance and Federal taxes on employers and employees for old age benefits.

Two of these decisions were by a five-to-four division of the supreme court and one by a seven-to-two division.

The majority opinions go far in upholding and extending the powers of both State and Federal governments to levy taxes and to spend for social purposes and the general welfare. They accept the proposition that unemployment is a national problem and that measures for its relief are in the general welfare for which congress may tax and spend. Furthermore, the opinions uphold the method of inducing states to enact more or less uniform legislation through the method of a Federal tax and credit which is used by the unemployment compensation system of the Social Security Act.

Specifically the supreme court upheld the Federal old age benefit tax imposed on both employers and employees under title VIII; the Federal tax on employers of eight or more under title IX; the rebate of 90 percent of the title IX tax to employers contributing to State unemployment compensation funds; the Alabama unemployment compensation tax imposed in conformity with the Federal law, and the Alabama system of unemployments compensation payments. Forty-four other States have unemployment compensation laws generally similar to that of Alabama.

A large number of legal points were covered by the three cases. The longest and most inclusive opinion was that written by Justice Cardozo in upholding the title IX tax. Some of the more important points made in this opinion were as follows:

Employment is a business relation and may be subject to an excise tax.

A tax on employment is not invalid because certain types of employment are excluded.

The Federal tax and credit system is not invalid on the ground that one of its objectives was to induce States to pass unemployment compensation laws.

Unemployment is a national problem and congress may tax and spend to relieve it.

Because of competition the States were unable to pass unemployment insurance laws prior to the enactment of the Social Security Act and the inducement provided by that act does not constitute coercion.

The requirement that State laws meet certain standards and be approved by the Social Security Board before tax credits are allowed does not impair the sovereignty of the State and is a proper safeguard of the Federal revenues and of the operation of the system.

Justice Cardozo also wrote the majority opinion upholding the validity of the old age benefit tax, the chief point of which was that the relief of unemployment and destitute old age are national problems, and taxes and appropriations for them come within the discretion of congress under the general welfare powers.

The third majority opinion, written by Justice Stone, upheld Alamaba's unemployment compensation system as to both its taxation and its benefit payment provisions, and held that in enacting this law Alabama had not surrendered her sovereignty or been coerced by the Federal Government.

The effect of these three decisions is to permit the vast social security system to continue unchanged, and it is expected that the remaining States will soon enact unemployment compensation laws. A number of amendments to the law have been proposed by the Social Security Board, but it is not expected that any major changes will be made at this session of congress, as the entire subject is being studied by a joint committee composed of members of Congress, experts of the Board, and representatives of employees and employers, and a report from this group is expected early next year.

Drug Law Revision Delay Offers Puzzle

WASHINGTON, May 28, 1937

At his press conference today President Roosevelt said that he did not know the present status of food and drug legislation. He expressed the thought that delay in respect of this legislation was not due to a question of whether the Federal Trade Commission or the Department of Agriculture should be vested with jurisdiction.

S.O.C.M.A. to Picnic At Seaview June 3-4

June 3 and 4 are the days of this year's Spring outing of the Synthetic Organic Chemical Manufacturer's Association. The Seaview Golf Club, Absecon, N. J., is the place.

On the first day of the outing the association will entertain the members of the Manufacturing Chemists Association at dinner in the club at 7:30 p.m. Dress will be informal. Carl B. Fritsche, managing director of the Farm Chemurgic Council, will speak.

The board of directors will meet June 3. The S.O.C.M.A. members are invited to attend the M.C.A. meeting in the forenoon. They will indulge in outdoor and indoor pastimes during the afternoon.

June 4 will be golfing day; a tournament for members of both associations will be conducted from some time in the forenoon. There will be a number of attractive prizes and other inducements. Nongolfers will, as usual, apply themselves to their respective, favorite pasttimes in the swimming pool, the billiard room, and elsewhere.

Lodging in the club will cost from $3.75 to $5 a day. Other charges are:—Breakfast, $1; luncheon, $1.75; dinner, $2.50.

Reservations of rooms and other arrangements are to be made through the secretary of the association, Charles A. Mace, 260 West Broadway, this city; telephone, Walker 5-4445.

Commercial Solvents Corporation's current issue of *Alcohol Talks* carries in seven short readable pages "The Story of Paints and Dyes—Natural Dyes."

Fertilizer Industry Convenes June 7-9

The National Fertilizer Association will hold its annual convention in the Greenbrier hotel, White Sulphur Springs, W. Va., June 7 to 9.

The state of the industry will be presented and discussed by the president of the association, A. D. Strobhar. Charles J. Brand, executive secretary and treasurer, will give an address on "Better Business Practices and the Robinson-Patman Act."

Many other topics relevant to the use of fertilizers, particularly in connection with soil conservation, will be discussed by well-qualified speakers. Included are the following:—

"The Consumer's Interest in Practical Fertilizer Control," by L. E. Bopst, associate State chemist in charge of fertilizer control, College Park, Md.

"Plantfood Needs of the Soil-Conserving Crops," by T. B. Hutcheson, professor of agronomy, Virginia Polytechnic Institute.

"Relation of Soil and Water Conservation to the Fertilizer Industry," by T. S. Buie, regional conservator, Soil Conservation Service, Spartanburg, S. C.

"Fertilizer Research," by Henry G. Knight, chief, Bureau of Chemistry and Soils, United States Department of Agriculture.

"Fertilizing Pastures in New Zealand," by G. H. Holford, director, Fertilizer Advisory Service, Auckland, N. Z.

It is expected that a speaker will be present to discuss TVA fertilizer activities in connection with Muscle Shoals.

Plans have been completed for the extensive golf features of the convention. These activities will be supervised by a committee headed by H. R. Wemple. The charges for golfing will be $2.50 a day, club-cleaning and locker, but not caddy fee, included.

Flavor Makers Discuss Laws

Stress Laid on Opposing Provisions Before Enactment

CHICAGO, May 26, 1937.

The importance of opposing State and Federal bills derogatory to industries when they are introduced or while in committee was emphasized in the report of the executive secretary and counsel of the Flavoring Extract Manufacturers Association, made to the association's annual convention here May 24 to 26. This official, John S. Hall, stated that this consideration is particularly to be preferred at this time to a policy of attacking laws in courts after they have been passed.

A tabulation of State and Federal legislative activities, with the number of bills introduced and the number of bills affecting the members of the industry was given in Mr. Hall's report.

An important contribution to the progress of the industry was made in the report of the research committee, of which Charles S. Purcell was chairman.

The committee presented definitions for imitation vanilla and lemon flavorings and commented on the standards for these products that had been adopted by Iowa, Minnesota, North Dakota, and Ohio, criticizing the high vanillin equivalent required by the first three States. The committee had endeavored to get a reduction in the alcohol content of extract of vanilla required in the Federal specification. Its efforts in this respect were related. No official action had yet been taken. The committee had worked with the Pennsylvania standards committee in formulating a concentrated vanilla extract; it had recommended that a 10-to-1 maximum be set.

Other work of the committee had to do with vanilla extracts of low alcoholic content, dilutions of vanilla concentrates, tincture of vanilla, N.F. VI, misleading claims for vanillin, and the disappearance of flavor in biscuits.

President's Address

In his address as president, George M. Armor, of McCormick & Co., paid particular attention to new Federal legislation. He commented on certain aspects and effects of the Robinson-Patman act, the Wagner labor relations act, and the social security act, expressing general sympathy with their purposes.

Mr. Armor considered also the subject of Federal taxes and the influence thereon of governmental spending. He referred briefly to the efforts for revision of the food and drugs act.

Presenting a variety of statistical data on business conditions, Mr. Armor said that these conditions since the beginning of 1936 had been very much more favorable than in any year since 1929. He found improvement also in the quality of the products of the flavoring industry. Prices in business in general, he believed, would be kept within reasonable limits by intelligent, voluntary policies.

Mr. Armor did not feel that the danger of destructive competition from consumer cooperatives would ever be so great in the retail field as it had at times been painted.

F. H. Massman, president of the National Tea Company, in an address on "Economic Conditions Affecting the Food Industry," stressed the importance of having food distributed from producer to consumer at the least possible cost. He warned against possible flarebacks from legislative handicapping of chain-store distribution, pointing out that savings for consumers create business and that unnecessary costs in distribution are a burden on the consumer. He said that the reasonable method of meeting chain-store competition was cooperation of wholesaler and retailer. He did not feel that laws and regulations offered the best, or even a practical, remedy for price-cutting evils.

Profitable Operations

In an address on "Costs and Selling Prices," William A. Karl, auditor for McCormick & Co., proceeded to "throw scares into" his audience. He asked them:—(1) What chance they had to survive under present tax assessments? (2) Were they watching replacement

(Continued on page 56)

EXPERIENCE—
Built by Reflux

IN SEVENTY YEARS of manufacturing fine chemicals, Mallinckrodt has built a background of experience that has been made complete by countless number of jobs alone. As a chemical reaction develops by long refluxing, so has our experience been obtained. This mature experience shows in the quality and uniformity of every Mallinckrodt chemical.

Send for the
Mallinckrodt Monthly Chemical Price List

Mallinckrodt
CHEMICAL WORKS

ST. LOUIS
CHICAGO
PHILADELPHIA

NEW YORK
MONTREAL
TORONTO

OVER 1500 FINE CHEMICALS FOR MEDICINAL, PHOTOGRAPHIC, INDUSTRIAL AND ANALYTICAL PURPOSES

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED JUN 3 1937 LIBRARY

A

Acacia (see Gum, Arabic)
Acetal, dms., works.....lb. .75 - 1.00
Acetaldehyde, dms., c.l., works.lb. .14 - —
l.c.l., works.....lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works..lb. .35 - —
l.c.l., 1,000 lbs., works..lb. .43 - —
smaller lots, works.....lb. .48 - 1.00
tech., kegs, c.l., works.....lb. .32 - —
l.c.l., 1,000 lbs., works..lb. .38 - —
smaller lots, works.....lb. .43 - .75
Acetanilide, tech., 95%, bbls..lb. .24 Nom.
USP, bbls., 1,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
kegs, 1,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Acetin, tech., dms.....lb. .33 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06½- —
tanks, dlvd.....lb. .05 - —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.32 - 1.40
Acid, abietic, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10 - —
Acetic, comi. or reditst., 28%, bbls..100 lbs. 2.53 - 2.78
cbys. .....100 lbs. 3.03 - 3.28
50%, bbls.....100 lbs. 4.75 - 5.00
cbys. .....100 lbs. 5.25 - 5.50
70%, bbls.....100 lbs. 5.92 - 6.17
cbys. .....100 lbs. 6.40 - 6.65
80%, bbls.....100 lbs. 6.74 - 6.99
cbys. .....100 lbs. 7.24 - 7.49
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, nat., bbls.. c.l., 100 lbs. 8.70 - 8.95
cbys. .....100 lbs. 9.20 - 9.45
syn., al. dms., c.l.100 lbs. 8.70 - 8.95
cbys. .....100 lbs. 9.20 - 9.45
USP, reagent, 99.8%, al. dms..100 lbs.10.75 -11.00
cbys. .....100 lbs.13.75 -14.00
pure, 80%, bbls., c.l..100 lbs. 3.60 - 3.85
cbys. .....100 lbs. 4.10 - 4.35
36%, bbls., c.l.....100 lbs. 4.05 - 4.25
cbys. .....100 lbs. 4.55 - 4.80
60%, bbls., c.l.....100 lbs. 6.79 - 7.04
cbys. .....100 lbs. 7.29 - 7.54
80%, bbls., c.l.....100 lbs. 8.53 - 9.08
cbys. .....100 lbs. 9.03 - 9.28

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass, N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l..lb. .13 - —
l.c.l., dms., cbys.....lb. .14 - .15
Acetylsalicylic, USP, bbls, 225 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kegs, 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. .85 - .90
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Battery, cbys, c.l. E. works 100 lbs. 1.35 - 1.50
l.c.l., 25 or more, E. works, 100 lbs. 1.60 - 1.75
10-24, E. works.....100 lbs. 2.35 - 2.50
1-9, E. works.....100 lbs. 2.35 - 2.50
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .59 - .60
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP., $25 per ton higher.
Broenner's bbls.....lb. 1.11 - —
Butyric, 95%, w.w., cbys.,works, lb. .28 - .35
edible, cbys., works.....lb. 1.20 - 1.30
synthetic, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cans.....lb. 5.50 - 5.70
Capric, dms.....lb. .19½- .20
Caproic, cans.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .16 - .16½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5 drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y. lb. .1475- .1675
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .25 - —
kegs .....lb. .25½- —
gran., bbls.....lb. .25 - —
kegs .....lb. .25½- —
powd., bbls.....lb. .25½- —
anhyd., gran., dms.....lb. .27½- —
powd., dms.....lb. .28 - —

Prices on citric acid are f.o.b. N. Y.; Chicago and St. Louis deliveries are ½c. higher than N. Y.

Acid, cleve's, bbls.....lb. .50 - —
Cottonseed oil, dms.....lb. .09½- .10¾
Cresylic, high-boil, dms., c.l., works, frt. equaled..gal. .89 - —
l.c.l., same basis....gal. .91 - —
low-boil, dms., c.l., works. frt. equaled..gal. .92 - —
l.c.l., same basis....gal. .94 - —
imported pale, 97-99, dms..gal. 1.00 Nom.
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis.....lb. .11¼- —
Crotonic, dms., works.....lb. .75 - 1.00
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90%, cbys., f.o.b. stock points, c.l. .....lb. .11 - —
l.c.l., 25 and over.....lb. .1150- —
1-24 .....lb. .12 - —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l. lb. .1220- .1290
l.c.l., 25 and over.....lb. .1270- .1340
1-24 .....lb. .1320- .1390
Fumaric, bbls.....lb. .60 - —
Furoic, tech., fib. ctns., 100 lbs., works..lb. .35 - —
smaller lots, works.....lb. .43 - —
Gallic, tech., bbls.....lb. .65 - .68
N.F., VI, bbls.....lb. .77 - .80
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .50 - .55
Hempseed oil, dms.....lb. .1180-.1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots.....lb. 2.65 - 2.70
Hydrobromic, 10%, USP,cbys.lb. .18 - .20
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys.....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¾
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys .....lb. .21½- .22½
USP, X, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark or light, dms..lb. .1340- .1380
tanks .....lb. .1280- —
extra white, dms.....lb. .1125- .1175
split, dms.....lb. .0950- .1060
Maleic, powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .33 - .43
Malic, powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 3.50 - —
fib. dms.....lb. 3.25 - —
jars .....lb. 3.25 - 3.35
Mixed, tanks, nitric unit.....lb. .06¼- .07½
sulphuric unit.....lb. .0085- .009
Monochloroacetic, tech., bbls.lb. .16 - .17
99%, bbls.....lb. .18 - .19
Monosulphonic, bbls.....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.35 - —
l.c.l., 25 and over, E. works..100 lbs. 1.60 - —
10 to 24, works..100 lbs. 1.75 - —
1 to 9, works..100 lbs. 2.35 - —
tanks, works.....100 lbs. 1.00 - —
20°, cbys., c.l., E. works. 100 lbs. 1.45 - —
l.c.l. 25 and over, works, 100 lbs. 1.70 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.10 - —
22°, cbys, c.l., E. works. 100 lbs. 1.95 - —
l.c.l., 25 and over, works, 100 lbs. 2.20 - —
10 to 24, works..100 lbs. 2.35 - —
1 to 9, works..100 lbs. 2.95 - —
tanks, works.....100 lbs. 1.60 - —
CP, cbys.....lb. .06½- .07½
6-lb. bots.....lb. .08½- .12½
Myristic, dms.....lb. .14¼- .15
white, redist., dms.....lb. .15¾- .16½
Naphthenic, S.V. 120-200, dms. lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms.....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Neville & Winther's, bbls....lb. .85 - .87
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.40 - —
1 to 9, works..100 lbs. 6.00 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.90 - —
1 to 9, works..100 lbs. 6.50 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
Acid, nitric, 40°, l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.40 - —
1 to 9, works..100 lbs. 7.00 - —
42°, cbys, c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.90 - —
1 to 9, works..100 lbs. 7.50 - —
CP, cbys.....lb. .11¼- .12½
7-lb. bots.....lb. .12½- .22½
Prices of yellow nitric acid 25c. per 100 lbs. below those above.
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, dms.....lb. .08¾- .09½
Phenylacetic, bots.....lb. 2.00 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs. ....lb. .15 - —
50% s.g., 1347, cbys., 70 lbs. lb. .12 - —
djns., 25 lbs. ....lb. .15 - —
10%, dilut., cbys, djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, ref., cbys., works. lb. .25 - —
dms., works.....lb. .22 - —
tech., cbys., works.....lb. .20 - —
dms., works.....lb. .16 - —
Pyrogallic, tech., lump, powd., bbls..lb. .90 - —
cns. .....lb. .95 - —
USP, cryst., cns.....lb. 1.55 - 1.60
resubl., cns.....lb. 1.90 - 2.00
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, dms.....lb. .38 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .10½- .11½
Stearic, distil., double pressed, bgs., dlvd..lb. .12½- .13½
single pressed, bgs., dlvd.lb. .12 - .13
triple pressed, bgs., dlvd.lb. .15¼- .16¼
saponif., double pressed bgs., dlvd..lb.12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.10 - —
l.c.l., 25 and over, works, 100 lbs. 1.35 - —
10 to 24, works..100 lbs. 1.50 - —
1 to 9, works.....100 lbs. 2.10 - —
tanks, E. works.....ton.12.00 - —
66°, cbys., c.l., E. works. 100 lbs. 1.35 - —
l.c.l., 25 and over, works, 100 lbs. 1.60 - —
10 to 24 works..100 lbs. 1.75 - —
1 to 9, works.....100 lbs. 2.35 - —
tanks, E. works.....ton.15.50 - —
98%, tanks, works.....ton.16.50 - —
CP, cbys.....lb. .06½- .07½
9-lb. bots.....lb. .08½- .17½
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.35.00 - —
Tannic, tech., bbls.....lb. .26 - .32
USP, fluffy, bbls., 1,000 lbs. lb. .78 - —
smaller lots.....lb. .80 - —
powd., bbls., 1,000 lbs.....lb. .68 - —
smaller lots.....lb. .70 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .23¾- —
smaller quantities.....lb. .24¼- —
kgs. .....lb. .24¾- —
Tobias, bbls.....lb. .65 - —
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs.....lb. 3.00 - —
tech., kgs.....lb. 2.75 - —
Aconite leaves, bls.....lb. .22 - .24
Root, bls.....lb. .30 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vls. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vls. .....gr. .09 - .11
Adeps, lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar, 1, bls.....lb. 1.15 - 1.20
2, bls.....lb. 1.05 Nom.
3, bls.....lb. .85 - .90
Agaric, white, bls.....lb. 3.00 - 3.25
Albumen, blood, dark, flake, bgs., c.l., Chicago..lb. .11 - —
l.c.l., bgs., Chicago.....lb. .13 - .15
pow'd, grade A, Chicago, ton lots..lb. .15 - —
smaller lots, Chicago.....lb. .18 - —
light, dom., flake, dms, Chicago..lb. .52 - .60
import, bgs.....lb. .50 - —
Egg, ed., dom., bbls.....lb. 1.05 - —
import, cs.....lb. .76 - .77
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld.....lb. .143 - —
tanks, frt. alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Benzyl, cans.....lb. .70 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt., alld.....lb. .10½- —
tanks, frt., alld.....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —

Acacia—Alumina Acetate

Alcohol, cetyl., dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
comi., dms.....lb. .95 - —
import, 85%, dms., 100 lbs.lb .55 - —
5 to 10 lbs.....lb. .75 - —
comi., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.50 - 3.50
Denatured, CD11, 12, 13, dms., c.l., works, E. frt. equal..gal. .34 - —
20 dms., East.....gal. .36 - —
1-19 dms., East.....gal. .39 - —
tanks, East.....gal. .28 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit

SD1, 190 pf., bbls., c.l., E. works..gal. .33 - —
19 bbls., E. works...gal. .35 - —
1 to 18 bbls., E. works, gal. .38 - —
dms., c.l., E. works....gal. .32 - —
19 dms., E. works...gal. .34 - —
1 to 18 dms., E. works, gal. .37 - —
tanks, E. works.....gal. .26 - —
Anhydrous, 5c. per gal. higher.
Special solvent, dms., c.l., E. works..gal. .33 - —
20 dms., E. works...gal. .35 - —
1 to 19 dms., E. works, gal. .38 - —
tanks, E. works.....gal. .27 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld.....lb. .14 - —
tech., contract, dms., c.l., frt. alld. .....lb. .12½- —
l.c.l., frt. alld.....lb. .13 - —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.12 - —
19 bbls.....gal. 4.14 - —
1 to 18 bbls.....gal. 4.17 - —
dms., c.l. .....gal. 4.11 - —
19 dms.....gal. 4.13 - —
1 to 18 dms.....gal. 4.16 - —
tanks .....gal. 4.05 - —
absolute, dms.....gal. 4.04 - 6.08½

Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 55,000 lbs., works, lb. .50 - —
l.c.l., 500 lbs. and more, works..lb. .55 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky mts.lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd. .....lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l. works. frt. alld. E. of Rockies.lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Isopropyl, denat., grd., dms., c.l., frt., alld..gal. .32 - —
l.c.l., frt., alld.....gal. .33 - —
refd., 91% dms., c.l., f.o.b. dest. .....gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
98%, dms., c.l., same terms, gal. .44½- —
l.c.l., same terms....gal. .49½- —
tanks, same terms....gal. .39½- —
tech., 91%, dms., c.l., same terms..gal. .35 - —
l.c.l., same terms....gal. .40 - —
tanks, same terms....gal. .30 - —
98%, dms., c.l., same terms, gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.50 - 2.75
Propyl (see Isopropyl)
Aldehol, denat. grade, dms., works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .25 - —
Aletris root, bgs.....lb. .30 - .81
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .19 - .20
Curacao, cs.....lb. .21 - .22
gourds, bbls.....lb. .50 - .51
Socotrine, kgs.....lb. .32 - .33
Aloin, bbls., cns.....lb. 1.50 - 1.60
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls.....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. lb. .16 - .17
gran., bbls., works....100 lbs. 2.75 - 3.00
dlvd. N.Y., Phila...100 lbs. 2.90 - —
lump, bbls., works....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
powd., bbls., works...100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila...100 lbs. 3.30 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Alum, potash, gran., bbls., works, 100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila....100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila....100 lbs. 3.55 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .07 - .07½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, CP, 20% solut., bbls..lb. .09 - .10

Alumina Chlor.—Amyl. Chlor.

Alumina chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works.....lb. .05 - —
12,000 to 44,000 lbs., works lb. .06
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works..lb. .08 - —
100 lbs. or less, works.lb. .09 - —
aryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .13 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l., lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
truckload, dlvd, met. N.Y. 100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y.. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works.....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd., met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63½- —
5,000 lbs., same basis..lb. .64½- —
2,000 lbs., single shipt., same basis..lb. .65 - —
On 2,000-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 2,000-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73½- —
5,000 lbs., same basis..lb. .74½- —
2,000 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis—lb. .41¼- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90½- —
5,000 lbs., same basis..lb. .91 - —
2,000 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55¼- —
5,000 lbs., same basis..lb. .56½- —
2,000 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis. lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis..lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis..lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
rubber comp., dms., 30,000 lbs., same basis..lb. .38½- —
5,000 lbs., same basis..lb. .39½- —
2,000 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste)
unpolished, dms., 30,000 lbs., same basis..lb. .35½- —
5,000 lbs., same basis..lb. .36½- —
2,000 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste)
varnish, extra brilliant, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis.lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipt (see note fine lining paste)
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis.lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste)
Ambergris, gray, tins.....oz.22.00 -35.00

Amidopyrene, fib., dms., 100 lbs.. lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms.....lb. .65 - .70
Ammonia, anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y. lb. .16 - .22
Annydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content)...lb. .04½- —
tankwagons .....lb. .02 - —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works. 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .10 - .13
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls..lb. .08 - .12½
imported, csks.....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal)
Chloride, USP, gran., bbls..lb. .11 - .16
kgs. .....lb. .15 -

Ammonia, citrate, dms.....lb. .80 - —
cbs. .....lb. .60 -
Fluoride, bbls.....lb. .17 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, fib., dms.....lb. 1.10 - 1.17
jars .....lb. 1.30 - —
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.25 - —
Laurate, bbls.....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Naphthenate, bbls.....lb. .17 - —
Nitrate, tech., bags, c.l., works. 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works.....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .19 -
Persulphate, kgs.....lb. .21 - .23
Phosphate, dibasic, N.F.V., bbls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 48% phos., bulk, f.o.b. E. works..unit-ton. 1.20 & .70
pure, bbls.....lb. .09 - .10
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 11-13 mos. June-Oct.. ton..26.50 - —
Nov.-Dec. .....ton.27.00 - —
Jan.-June 1938.....ton.27.50 - —
Ammonia sulphate contracts any 6-10 mos., through June 1938, $1 per ton additional; contracts any 1-5 mos., through June 1938 $2 per ton additional; spot prices $2 per ton additional. Bag packing charged extra at $1.50 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Ammonia, sulphide, liquid, 35-40%, basis 100%, dms., works. lb. .12 - .15
tanks, delvd.....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works....lb. .16 - —
pure, 99-100%, kgs..... " .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls. c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - .0670
white, gran., dom., bbls. contracts, works..100 lbs. 5.00 - 5.05
import, csks.....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tanks, works.....lb. .10½- —
ex pentane, dms., frt., alld., lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works. lb. .56 - —
small lots, works.....lb. .68 - —
Chlorides, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —

INDUSTRY TAKES THE NON-STOP ROUTE

Manufacturers bent on reaching goals of higher quality in quicker time with less trouble find a cooperative ally in Cyanamid. For example, cosmetic chemists are creating facial creams of finer texture through the use of Cyanamid's ISO-BEESWAX, a purer product made possible by a special process. Plant engineers treating their boiler feed water with Cyanamid's TWECO TAN POWDER or CRYSTALS are increasing the efficiency and reducing the upkeep costs of feed water equipment. Varnish manufacturers are giving a new degree of paleness and hardness to their products with PHENAC 622-N, one of the new modified phenol resins recently developed by Cyanamid.

Thus, in a wide variety of merchandise, Cyanamid materials are bringing improvements . . . solving problems . . . cutting production time and costs . . . furnishing new and highly desirable selling features. Today, with extensive research facilities, a

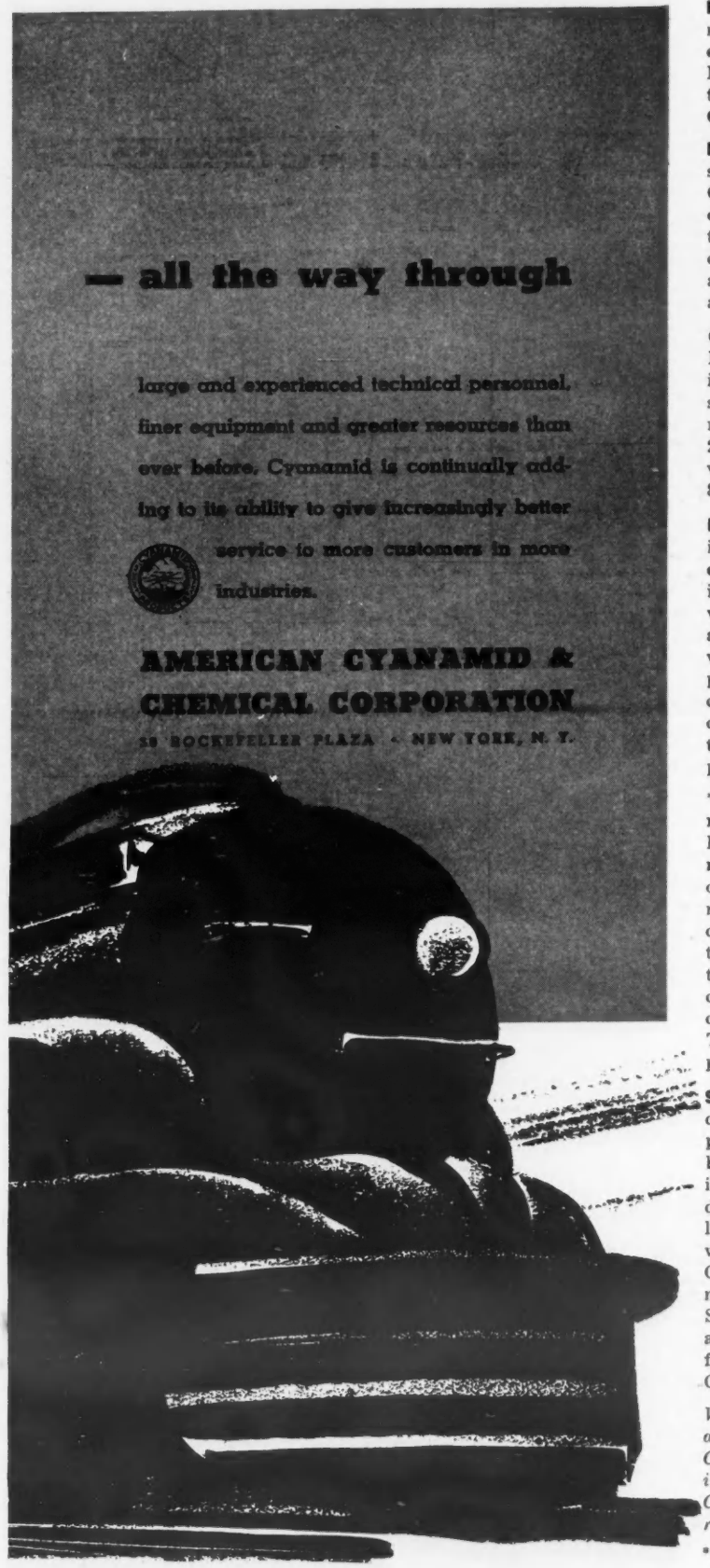
Amyl nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 -
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots, 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l. works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots .....lb. 1.15 - 1.20
Angelica root, dom., bls.....lb. .23 - .25
import, natural, bls.....lb. .28 - .30
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .35 - .36
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .12 - .12¼
Star, bgs.....lb. .12 - .12½
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .07½- .08½
Anthraquinone, 99.5%, subl., bbls. lb. .65 - —
Antimony, butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, dom.....lb. .15 - —
Chinese, duty paid.....lb. .15 - —
Needle, powd., bbls.....lb. .17½- .19½
Oxide, dom., bbls., c.l.....lb. .16½ Nom.
l.c.l. .....lb. .16¾ Nom.
import, bbls. .....lb. .16¾ Nom.
Salts, 65%, kgs.....lb. .23¾- .24
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c. lb. lb. .11¼- .14¼
Antipyrene, bbls., kgs., ton lots. lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, conc., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .30
triple, bbls.....lb. .18 - .30
Areca nuts, powd., bbls.....lb. .10 - .13

Arecoline hydrobromide, bots., oz. 5.50 - 6.50
Argols, pure, 100%, csks..... 100 kilos.27.50 - —
Arnica flowers, bls. .....lb. .28 - .30
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import., cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .06 - —
l.c.l. .....lb. .06¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .18 - .19
powd., bbls., bxs.....lb. .32 - .38
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.37.50 - —
6R, bgs., c.l. (20 tons), Canad. mines—ton.35.00 - —
6D, bgs., c.l. (50 tons), Canad. mines..ton.27.00 - —
7D, bgs., c.l. (50 tons), Canad. mines..ton.23.00 - —
7F, bgs., c.l. (50 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (50 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (50 tons), Canad. mines..ton.14.50 - —
7M, bgs., c.l. (50 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N. Y..lb. .08½- —
smaller lots, f.o.b. N. Y.lb. .10½- —

Asphaltum, California, dms., c.l., f.o.b. N.Y...ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points. ton.32.90 - —
seconds, bgs., c.l., Western shipt. points.....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet, bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo., refinery.....gal. .07½- —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.90 - 3.55
cns .....oz. 2.85 - —

B

Balm of Gilead buds, bgs....lb. .21 - .25
Barberry bark, bgs.....lb. .10 - .11
Root bark, bls.....lb. .14 - .15
Barbital, cs. .....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works. ton.44.00 - —
99%, 200 mesh, bgs., c.l., works..ton.47.00 - —
precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs. .....lb. .16½ 17½
Chloride, C.P., cryst., bbls....lb. .19 - —
dms. .....lb. .20 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dels., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Arkansas line.ton.72.00 - —
bbls., same basis...ton.74.00 - —
l.c.l., bgs., same basis, ton.85.00 - —
bbls., same basis..ton.87.00 - —
Zone 2, bgs., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla..ton.76.00 - —
bbls., same basis..ton.78.00 - —
l.c.l., bgs., same basis, ton.89.00 - —
bbls., same basis..ton.91.00 - —
Zone 3, bgs., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz., ton.82.00 - —
bbls., same basis..ton.84.00 - —
l.c.l., bgs., same basis, ton.95.00 - —
bbls., same basis..ton.97.00 - —
Zone 4, bgs., c.l., dlvd. Wash., Ore., Calif., Nev..ton.78.00 - —
bbls., same basis..ton.80.00 - —
l.c.l., same basis....ton.91.00 - —
bbls., same basis..ton.93.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls. .....lb. .15 - .16
Fluosilicate, bbls. .....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05¼
Iodide, bots. .....lb. 4.20 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms. .....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex wrhse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85- —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.95 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex wrhse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock. ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex wrhse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import., bbls.....gal. .71½Nom.
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .14 - .15
Root, bls.....lb. .10 - .11
Bentonite, 1, 96%, 300 mesh, bgs., Wyo. works..ton.16.00 - —
2, 92%, 200 mesh, bgs., Wyo. works..ton.11.00 - —
Benzaldehyde, tech., cbys., dms. lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. 1.25 - —
5 to 25 lbs.....lb. 1.30 - 1.35
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .55 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, cns.....lb.13.00 -13.25
Hydrochloride, cns.....lb.13.00 -13.25
Sulphate, cns.....lb.14.75 -15.00
Berberis root, bls.....lb. .14 Nom.
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, flb. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs..lb. .51 - —
Beth root, bls.....lb. .14 - .15
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots, lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb., bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
cns. .....lb. 3.25 - —


— all the way through
large and experienced technical personnel, finer equipment and greater resources than ever before, Cyanamid is continually adding to its ability to give increasingly better service to more customers in more industries.
AMERICAN CYANAMID & CHEMICAL CORPORATION
30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

DIBUTYL PHTHALATE — Lacquer formulations are kept at the highest efficiency level with Aero* Brand Dibutyl Phthalate, a plasticiser raised to a higher standard of quality by Cyanamid.

FOR TEXTILE FINISHING an improved sulphonated tallow softening agent, Cyanamid's Cream Softener, is recommended. It is applicable to any type of fabric, whether dyed, printed or bleached. Its special advantages are its ready emulsification and its ability to hold white indefinitely.

GUANIDINE NITRATE $(NH_2)_2C : NH.HNO_3$, is a Cyanamid product offering unusual opportunities for organic synthesis. It is a white crystalline material, over 95% pure, melts at 207°C, is soluble in both alcohol and water and is a stable compound. An 85% grade is also available.

DPG (diphenylguanidine) because of its usefulness as an accelerator has established itself as a staple product in the rubber industry. Its chief advantages include its wide range of application, the good curing range which it imparts, and its ability to produce high moduli at medium critical temperatures. DPG is today one of the most popular organic accelerators in the manufacture of rubber products.

***PHENAC 622-N,** a modified phenol resin, the latest addition to the Phenac Resin line, offers interesting new possibilities in the formulation of varnishes. Its paleness of color is maintained throughout the drying cycle. Its softening point puts it in the range usually designated as "extra hard". At the same time its oil compatibility is excellent and it is completely soluble in mineral spirits. This combination of hardness, compatibility and solubility is outstanding.

SULPHATE OF ALUMINA — Commercial 17% and 22%, and Iron Free Sulphate of Aluminum. Used extensively by paper mills for sizing; by tanners, in the manufacture of printing inks, dry and lake colors and soap. A very large consumption is in municipal water filtration. For this product Cyanamid gets Bauxite from its own mines in Georgia, Arkansas and South America. This, combined with a careful system of control, accounts for the consistently high quality of Cyanamid's output.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

* Registered U. S. Patent Office

Bismuth Sub.—Bordeaux Mix.

Bismuth, subcarbonate, bots., cns. lb. 1.32 - 1.58
fib. dms ..... lb. 1.23 - 1.36
X-ray, 5-lb. bots..... lb. 2.52 - —
fib. dms..... lb. 2.46 - —
Subgallate, bots., cns..... lb. 1.42 - 1.68
fib. dms..... lb. 1.33 - 1.36
Subiodide, cns..... lb. 3.91 - —
fib. dms..... lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib., dms..... lb. 1.13 - 1.16
Subsalicylate, 62-63%, bxs..lb. 2.44 - —
bbls., fib. dms..... lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms..... lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. ..... lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. ..... lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms..... lb. 3.05 - —
Black, acetylene, c.l., dlvd....lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., bgs., c.l., frt. alld. E. lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
Black, bone, 6 bbls. bgs., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E. lb. .06 - —
l.c.l., frt. alld. E.....lb. .06½- —

Bone black prices on Pacific Coast are 1 per lb. higher, ex dock or ex whse

Carbon, special, 1, bgs., c.l. works..lb. .05 - —
l.c.l., dlvd.....lo. .07½- —
ctns., l.c.l., dlvd.....lo. .08¼- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lo. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lo. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lo. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra), lb. .0445- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)...lb. .0475- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0490- —
[illegible] lb. [illegible]
D (Ill., Ia., Wis.)..lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y. Ohio, part of Pa., Tenn., W. Va.)...lb. .0505- —
Black, carbon, standard, bgs., c.l., dlvd., Zone F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.) lb. .0535- —
G (Mexico).....lb. .0455- —
l.c.l., f.o.b. whse.....lb. .07 - —
ctns., l.c.l., dlvd. all zones, lb. .07½- —
cs., l.c.l., dlvd. all zones..lb. .08½- —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .05½Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works...lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory [illegible], bbls ..... lb .30 .45
Lamp, dom., 1, ctns., c.l. works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
[illegible] bbls. c.l. f.o.b. N. Y...lb .08 - —
l.c.l., f.o.b. N. Y.....lb .09
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb .12
Black, lamp, import, 3 bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b., N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N.Y.lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.
Black haw root bark, bls.....lb. .22 - .23
Tree bark, bls.....lb. .13 - .14
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.60.00 -65.00
l.c.l. .....ton.65.00 -70.00
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works.100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.50 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.50 - —
import, bgs., c.i.f. ports, July shipt..unit-ton. 3.60 - 3.70
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .16
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls, same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.45 - —
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts lb .45
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .10 - —
regular, 1 bbls., works, frt. equaid..lb. .15 - —
2, bbls., same basis....lb
3, bbls., same basis....lb
4, bbls., same basis....lb. .19 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, same basis..lb. .26 - —
B, bbls., same basis..lb. .23 - —
C, bbls., same basis..lb. .22 - —
D, bbls., same basis..lb. .21 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis....lb. .19 - —
3, bbls., same basis....lb. .21 - —
4, bbls., same basis....lb. .22 - —
5, bbls., same basis....lb. .24 - —
6, bbls., same basis....lb. .26 - —
pulp, 1, bbls., same basisNlb. .26 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —

Ultramarine, blue, dlvd, ex whse. is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 -
Blue dyes are listed under Dyes
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs....lb. 1.00 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works.100 lbs. 5.15 - —
16-25 bbls., same basis. 100 lbs. 5.40 - —
6-15 bbls., same basis. 100 lbs. 5.50 - —
3-5 bbls., same basis. 100 lbs. 5.75 - —
1-2 bbls., same basis. 100 lbs. 5.90 - —
monohydrated, dms., c.l. dealers..lb. .10 - —
l.c.l., dealers.....lb. .11 - —
Bluestone (see Blue vitriol).
Bone, raw, dom., 4¼% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -30.00
c.i.f., Atlantic ports..ton.36.00 - —
S.A., bgs., c.i.f. ports.ton.34.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.23.00 -24.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.27.50 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.21.00 -22.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.50 - —
Borage flowers, bls.....lb. .21 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.56.00 - —
c.l., dlvd.....ton.60.00 - —
l.c.l., ex whse.....ton.65.00 -70.00
sks., contracts, 80 tons min., dlvd..ton.46.00 - —
c.l., dlvd.....ton.50.00 - —
l.c.l., ex whse.....ton.55.00 -60.00
gran., bbls., contracts, 80 tons min., dlvd..ton.50.00 - —
c.l., dlvd.....ton.54.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
sks., contracts, 80 tons min., dlvd..ton.40.00 - —
c.l., dlvd.....ton.44.00 - —
l.c.l., ex whse.....ton.49.00 -54.00
powd., bbls., contracts, 80 tons min., dlvd..ton.55.00 - —
c.l., dlvd.....ton.59.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.45.00 - —
c.l., dlvd.....ton.49.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers East of and inc. N. D., S. D., Neb., Kan., Okla., Texas..lb. .10 - —

THE SIGNAL FOR SPEED IS SOUNDED

SIGNALS in every branch of industry indicate that capacity production days are here. Are you prepared with a reliable source of supply for chemicals, oils, pigments and similar materials? You will need them in greater quantities. You will want them to be uniformly dependable. WITCO, a progressively active organization with extensive modern facilities for production and service, is ready to meet your exacting specifications, in quality and quantity, for the following and other products:

Scene in Our Plant, THE PIONEER ASPHALT COMPANY

WITCO CARBON BLACKS - a black for every purpose, made to meet individual requirements and to satisfy every demand for quality.

WITCO TITANIUM DIOXIDE sets a new standard in fineness, ease of grinding and uniformly neutral white color.

WITCO STEARITE is steadily growing in importance, because of its economy as a dispersing agent, softener and accelerator activator for rubber. For polishing compounds, varnishes, plastics (as a water repellant) and as a base for stearate manufacture.

WITCO BLANC FIXE is markedly superior for its absence of free alkalinity or acidity, and for its pure white color.

WISHNICK-TUMPEER, INC.
Manufacturers and Importers
NEW YORK 295 MADISON AVENUE
CHICAGO 365 E. ILLINOIS STREET
BOSTON 141 MILK STREET
CLEVELAND 616 ST. CLAIR AVENUE N. E.
WITCO LTD., BUSH HOUSE, LONDON W. C. 2, ENGLAND
Witco Affiliates: Witco Oil & Gas Company, The Pioneer Asphalt Company, Panhandle Carbon Company
BUY DIRECT AND PROFIT DIRECTLY

WITCO

Bordeaux mixture, consumer, dms., same basis	lb.	.10½- —
l.c.l., dealers, dms., same basis	lb.	.10½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.

Borneol, bots.	lb.	1.75 - 2.00
cns	lb.	1.50 - —
Brazilwood extract (see Hypernic).		
Brimstone (see Sulphur).		
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies	lb.	.30 - —
single pkg., same basis	lb.	.35 - —
Bromoform, USP, bots.	lb.	1.40 - 1.60
Bronze powder, aluminum (see A).		
Gold, litho, cns., dms., over 10 lbs.	lb.	.45 - .65
moulding, cns., dms., over 10 lbs.	lb.	.65 - .90
printing ink, cns., dms., over 10 lbs.	lb.	.70 - 1.10
radiator, cns., dms., over 10 lbs.	lb.	.45 - .50
Broomtop, bls.	lb.	.11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works	lb.	.12¼- —
Metallic, bbls., works	lb.	.02¼- —
paper bags, c.l., works	lb.	.0210- —
Sienna, burnt, American, bbls., works	lb.	.03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points	lb.	.12¼- —
2, bbls., same basis	lb.	.11¼- —
3, bbls., same basis	lb.	.10¼- —
4, bbls., same basis	lb.	.09¼- —
5, bbls., same basis	lb.	.08¾- —
6, bbls., same basis	lb.	.08¼- —
7, bbls., same basis	lb.	.08 - —
8, bbls., same basis	lb.	.07¾- —
9, bbls., same basis	lb.	.07½- —
10, bbls., same basis	lb.	.06¾- —
11, bbls., same basis	lb.	.06¾- —
12, bbls., same basis	lb.	.06¼- —
13, bbls., same basis	lb.	.06 - —
14, bbls., same basis	lb.	.05½- —
raw, American, bbls., works	lb.	.02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works	lb.	.12¼- —
2, bbls., same basis	lb.	.10¾- —
3, bbls., same basis	lb.	.10¼- —
4, bbls., same basis	lb.	.09¼- —
5, bbls., same basis	lb.	.08¾- —
6, bbls., same basis	lb.	.08¼- —
7, bbls., same basis	lb.	.07½- —
8, bbls., same basis	lb.	.07 - —
9, bbls., same basis	lb.	.06½- —
10, bbls., same basis	lb.	.05¾- —
11, bbls., same basis	lb.	.04¾- —
Umber, American, bbls., works	lb.	.02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.	lb.	.04 - —
St. Louis	lb.	.04¼- —
ex car Los Angeles	lb.	.04½- —
ex dock Portland, San Francisco, Seattle	lb.	.04¾- —
ex whse. Boston	lb.	.04½- —
Chicago, Indianapolis, New Orleans	lb.	.04¾- —
Kansas City	lb.	.05 - —
Los Angeles, Portland, San Francisco, Seattle	lb.	.04¾- —
Minneapolis	lb.	.0485- —
Pittsburgh	lb.	.04¼- —
Vandyke, bbls., l.c.l.	lb.	.05¾- —
Walnut crystals, bbls.	lb.	.05½- .06
Brucine, 100 oz., cns.	oz.	.10 - —
Sulphate, 100 oz., cns.	oz.	.07 - —
Bryonia root, bls.	lb.	.10 - .11
Buchu leaves, bls.	lb.	.60 - .62
Buckthorn bark, true, bls.	lb.	.04 - .05
Berries, bgs.	lb.	.19 - .20
Burdock root, bls.	lb.	.09½- .10
Burgundy pitch, dom., bbls., c.l., works	lb.	.05¼- —
l.c.l., dlvd. E.	lb.	.06¼- —
import., stands	lb.	.11½- .12½
Butanes, coml., 16-32°, tanks, group 3	gal.	.02¼- .03¾
Butternut bark, bls.	lb.	.06½- .07
Butyl acetate, norm., dms., c.l., contract, frt. alld.	lb.	.10 - —
l.c.l., contract, frt. alld.	lb.	.10¼- —
tanks, contract, frt. alld.	lb.	.09 - —
Butyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky mts.	lb.	.08 - —
l.c.l., same terms	lb.	.08½- —
tanks, same terms	lb.	.07 - —
Alcohol (see Alcohol).		
Aldehyde, dms., l.c.l.	lb.	.17½- —
Carbinol (see Carbinol).		
Lactate, dms.	lb.	.22½- —
Propionate, dms., dlvd.	lb.	.17 - —
Stearate, dms.	lb.	.25 - —
Butyric, ether, bots.	gal.	6.60 - 6.95
cns., works	lb.	.65 - .70
dms., frt. alld. Met. N. Y.	lb.	.60 - —

C

Cadmium bromide, bots., jars	lb.	1.44 - 1.59
Iodide, bots.	lb.	3.77 - 3.82
jars	lb.	3.65 - —
Lithopone (see Yellow).		
Metal, cs.	lb.	1.20 Nom.
Red (see Red).		
Selenide (see Red).		
Sulphide (see Yellow).		
Caffeine, 100 lb. dms., 10,000 lbs. or more	lb.	2.05 - —
2,000 lbs., or more	lb.	2.10 - —
1,000 lbs., or more	lb.	2.15 - —
100 lbs.	lb.	2.25 - —
25 lb. dms. 10,000 lbs., or more.	lb.	2.08 - —
2,000 lbs., or more	lb.	2.10 - —
1,000 lbs., or more	lb.	2.18 - —
100 lbs.	lb.	2.28 - —
25 lbs.	lb.	2.40 - —
10-lb. cns., 10,000 lbs., or more.	lb.	2.10 - —
2,000 lbs., or more	lb.	2.15 - —
1,000 lbs., or more	lb.	2.20 - —
100 lbs.	lb.	2.30 - —
less than 100 lbs.	lb.	2.45 - 2.60
5 lb. cns., 25 lbs., or more.	lb.	2.40 - —
less than 25 lbs.	lb.	2.55 - 2.70
Citrated, cns.	lb.	1.70 - 1.75
Hydrobromide, bots.	lb.	4.82 - 4.87
Calabar beans, bgs.	lb.	.15 - .16
Calamus root, bleached, cs.	lb.	.45 - .50
Calcium acetate, bgs., dlvd.	100 lbs.	2.25 - —
Arsenate, dms., c.l., dealers, North and West	lb.	.06¾ —
l.c.l., dealers	lb.	.07¼- —
southern cotton state, dealers, dms., c.l.	lb.	.06½- —
	lb.	.06¾- —
l.c.l., dealers	lb.	.07 - —

Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, jar.	lb.	.60 - .62
Carbide, dms.	lb.	.05 - .06
Carbonate (see Chalk and Whiting)		
Chloride, flake, dom., 77-88% bgs., dms., c.l., dlvd.	ton.	22.00 -35.00
l.c.l., 1 ton or over, dlvd.	100 lbs.	1.70 - 2.35
Calcium chloride liquor, basis 40%, tanks, works	ton.	7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd.	ton.	20.00 -33.00
l.c.l., 1 ton or over, dlvd.	100 lbs.	1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs.	lb.	.50 - —
dms.	lb.	.55 - .57
cns.	lb.	.68 - .85
Glycerophosphate, fib., dms., 1,000 lb. lots	lb.	1.00 - —
smaller lots	lb.	1.15 - —
cns., 25 lbs.	lb.	1.40 - —
Hypophosphite, cns.	lb.	.62 - .67
Iodide, bots., jars	lb.	3.70 - 3.85
Lactate, USP, bbls., 200 lbs.	lb.	.25 - —
Nitrate, bgs., to fert. mfrs., ex-vessel	ton.	26.10 - —
Palmitate, bbls.	lb.	.22 - .33
Phosphate, dibasic, precip., 35-42% P_2O_5 bgs., c.i.f. Atlantic ports, shipt. unit	ton.	.76 - —
tribasic, precip., c.l., bbls., works	lb.	.06½- —
l.c.l., bbls.	lb.	.07½- —
Resinate, precip., bbls., 1 ton.	lb.	.13 - —
smaller lots	lb.	.14 - —
Stearate, precip., bbls., ctns., c.l.	lb.	.19 - —
l.c.l., 1 ton	lb.	.20 - —
smaller lots	lb.	.21 - —
Sulphate (see Gypsum)		
Sulphide, 75%, CaS (minus 100 mesh), c.l., works	ton.	52.00 - —
l.c.l. works	ton.	56.00 - —
83/85 CaS, c.l., works	ton.	58.00 - —
l.c.l., works	ton.	64.00 - —
luminous, dom., tins, works. 100 lbs.	lb.	.85 - —
smaller lots	lb.	1.00 - —
Sulphocarbolate, bbls., 200 lbs.	lb.	.48 - —
kgs., 100 lbs.	lb.	.50 - —
Calendula flowers, bls.	lb.	.43 - .45
Calomel, bbls., fib., dms., kgs.,	lb.	1.59 - 1.60
Camphor, natural, powd., cs.	lb.	.55 - .56
slabs, cs.	lb.	.55 - .56
tablets, tins	lb.	.60 - .61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs.	lb.	.50 - —
500 lbs.	lb.	.51 - —
100 lbs.	lb.	.52 - —
tablets, imp., cs., 2,000 lbs.	lb.	.54 - —
500 lbs.	lb.	.55 - —
100 lbs.	lb.	.56 - —
Monobromate, bxs., kgs.	lb.	1.60 - 1.65
Canada balsam (see Fir balsam)		
Canary seed, Argentine, bgs.	lb.	.06¼- .06⅝
Morocco, bgs.	lb.	.06½ Nom.
Turkish, bgs.	lb.	.06¾- .07
Canella alba bark, bls.	lb.	.87 - .88
Cannabis herb, bls.	lb.	.18 - .20
Cantharides, Chinese, cs.	lb.	.60 - .65
powd., bxs.	lb.	.85 - .90
Russian, cs.	lb.	1.35 - 1.40
powd., bxs.	lb.	1.70 - 1.75
Capsicum (see Pepper, red).		
Caraway seed, Dutch, bgs.	lb.	.07⅝- .07¾
Carbazole, 70-80%, dms., works	lb.	.60 - —
90%, dms., works	lb.	.89 - —
95%, dms., ton lots, works	lb.	.70 - —
smaller quantities, works	lb.	.85 - —
98.5-99%, dms., ton lots, works	lb.	.75 - —
smaller quantities, works	lb.	.85 - —
Carbinol, butyl, norm., dms., works	lb.	.60 - —
small lots, works	lb.	.75 - —
secondary, dms., works	lb.	.60 - —
small lots, works	lb.	.75 - —
Diethyl, dms., works	lb.	.60 - —
small lots, works	lb.	.75 - —
Isobutyl, 128-132°, dms., c.l., works	lb.	.53 - —
l.c.l., works	lb.	.54 - —
tanks, works	lb.	.52 - —

Bordeaux Mix.—Casein

Carbinol methylpropyl, dms., works	lb.	.60 - —
small lots, works	lb.	.75 - —
Dimethylethyl, dms., works	lb.	.60 - —
small lots, works	lb.	.75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis	lb.	.05¾- —
5 gal. dms., c.l., same basis.	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.04½- —
Dioxide, cyls.	lb.	.06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R.	lb.	.05¼- —
l.c.l., same basis	lb.	.05¾- —
10-gal. dms., c.l., (20 tons), same basis	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
5-gal. dms., c.l. (20 tons), same basis	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.05 - —
Fire extinguisher liquid. 2c. lb. higher.		
Cardamom, bleached, cs.	lb.	1.60 - 1.90
decorticated, cs.	lb.	1.50 - 1.60
green, bgs.	lb.	1.00 - 1.10
Carvol, bots.	lb.	4.00 - 4.25
Cascara sagrada bark, bulk	lb.	.14½- .15
Case-hardening mixture, 45%, gran., dms., l.c.l.	lb.	.11¾- —
lump, dms., l.c.l.	lb.	.10¾- —
60%, lump, dms., l.c.l.	lb.	.09 - —
Casein, dom., 20-30 mesh, bgs, c.l., dlvd.	lb.	.13 - .14
5 tons, works	lb.	.14½- —
smaller lots, works	lb.	.15 - —

★ THE SPIRIT OF THE NATION ★

Man made ALCOHOL before he knew it

★

Ancient man produced alcohol long centuries before he was even conscious of its existence. For thousands of years he fermented wine and brewed beer—little knowing that he was on the threshold of discoveries that would eventually revolutionize civilization.

Today, science and industry look to the Commercial Solvents Corporation for the finest alcohols human skill has ever been able to produce. In its plants is made Rossville Alcohol, known and preferred the world over. Regardless of how exacting your requirements may be, you can depend unreservedly upon the uniformity and excellence of Rossville Alcohol—"The Spirit of the Nation".

COMMERCIAL SOLVENTS CORPORATION

NEW YORK CENTRAL BLDG., NEW YORK, N. Y.

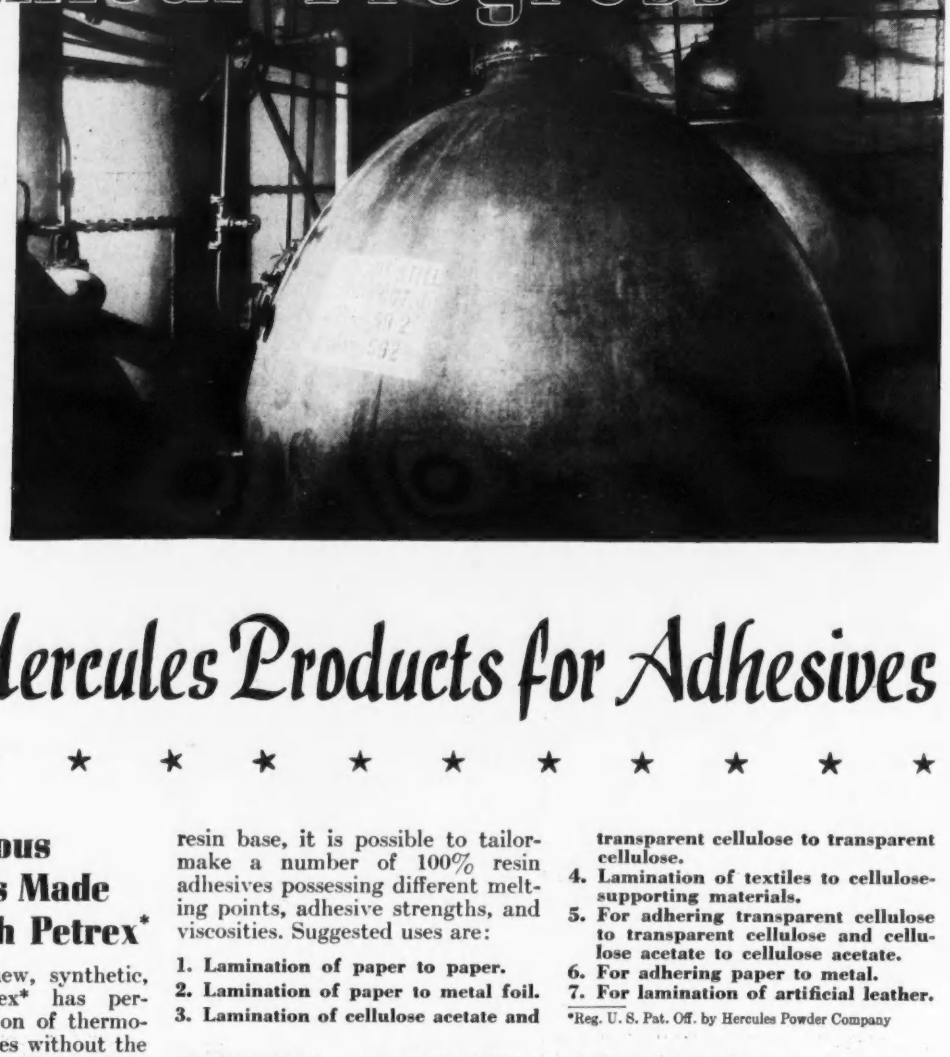
PLANTS: TERRE HAUTE, IND.; PEORIA, ILL.; WESTWEGO, LA.; HARVEY, LA.; AGNEW, CALIF.

PROMPT SERVICE FROM BRANCH OFFICES AND WAREHOUSES

Products of Commercial Solvents Corporation, including Rossville Alcohols, are available in mixed carloads and in compartment tank cars, as well as in cans, drums, carloads, and tank cars.

An advertisement of HERCULES POWDER COMPANY, Wilmington, Delaware

for Chemical Progress



PROTECTING COPPER EQUIPMENT — Hercose C lacquers resist heat and are also clear, tough, and durable. Therefore, they are ideally adapted for use in breweries, sugar refineries, and other processing industries where large metal surfaces must be kept bright and shining.

HERCULES HERCULES HERCULES

Hercose* C Lacquers

protect large copper vessels used in processing industries

Beer stills, sugar crystallizers, condensers, evaporators, and other large copper vessels used in the processing industries can be protected by lacquers made with Hercose C.

Sugar refineries and breweries, especially, use this type of equipment, and, for good housekeeping, keep it bright and shining.

Hercose C protects copper and other polished metal surfaces with a clear, transparent, durable film that will stand up under the elevated temperatures that are maintained in breweries and sugar refineries.

Heretofore, no thoroughly satisfactory clear finish has been available for polished metal subjected to heat. Much polishing has been necessary to restore the original finish to copper vessels used in large processing plants.

Hercose is compatible with resins; thus, it is possible to make finishes that will have good adhesion to practically all surfaces. Besides, it can be brush-coated to give hard, lustrous, quick-drying finishes that do not accumulate dust when dry. Another advantage is that when the film finally fails it can be removed from the metal surface by a simple solvent wash without scraping or marring the metal surface.

Hercose is soluble in a sufficient range of solvents, so that formulas of various boiling ranges and moisture resistance may be chosen. This permits the preparation of brush, spray, and dip lacquers.

*Reg. U. S. Pat. Off. by Hercules Powder Company

Advantages of Cellulose Acetate

Hercules Powder Company is now in a position to produce Cellulose Acetate on a large-volume basis. Cellulose Acetate offers the following advantages in lacquer formulation:

- Light resistance
- Low flammability
- High gloss
- Heat resistance
- High dielectric strength
- Toughness
- Tautening properties
- Resistance to mineral oil, alcohol, and gasoline

New Hercules Products for Adhesives

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

100% Resinous Adhesives Made With Petrex*

The use of the new, synthetic, polybasic-acid Petrex* has permitted the preparation of thermoplastic, resin adhesives without the use of plasticizers. Since these resinous adhesives can be prepared with superior properties of flexibility, wetting, toughness, and non-sweating, their utility is apparent. Petrex resinous adhesives are resistant to discoloration from light, resistant to moisture, and do not embrittle.

Thermoplastic or Solvent Application

Because of the unique properties inherent in Petrex resins prepared for use in adhesives, these adhesives can be applied thermoplastically without solvent to obtain unusually strong laminations of various materials. However, Petrex resinous adhesives dissolve readily in ring hydrocarbons and esters, such as toluol and ethyl acetate, so that solvent application can be readily accomplished.

Petrex 21 Has Unusual Properties

Tests indicate the usefulness of Petrex 21. This adhesive is of the heat-sealing type; it is substantially non-tacky at room temperature and seals at 150° to 200° F., m. p. 65° to 75°C. The adhesive film is practically colorless and transparent, and, therefore, is suggested especially for use with transparent materials. Petrex 21 can also be prepared for use as a pressure-sensitive adhesive producing a masking-tape type of adhesive. This has the unusual properties of long life, moisture resistance, and grease resistance.

Many Uses for Petrex Adhesives

Most adhesive problems demand a bonding agent having specific properties. By the use of the Petrex resin base, it is possible to tailor-make a number of 100% resin adhesives possessing different melting points, adhesive strengths, and viscosities. Suggested uses are:

1. **Lamination of paper to paper.**
2. **Lamination of paper to metal foil.**
3. **Lamination of cellulose acetate and transparent cellulose to transparent cellulose.**
4. **Lamination of textiles to cellulose-supporting materials.**
5. **For adhering transparent cellulose to transparent cellulose and cellulose acetate to cellulose acetate.**
6. **For adhering paper to metal.**
7. **For lamination of artificial leather.**

*Reg. U. S. Pat. Off. by Hercules Powder Company

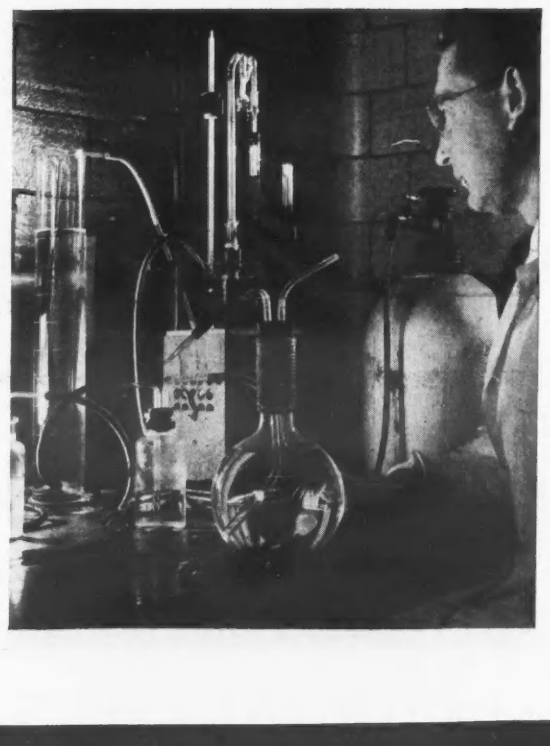
TOUGH MOLTEN ADHESIVES WITH ETHYL CELLULOSE

ADHESIVES which can be applied in molten state, and which retain flexibility at low temperatures, can be made with Ethyl Cellulose and resins.

Because Ethyl Cellulose adhesives are heat stable, waterproof, and tough, they represent an important contribution to the adhesives field. Other cellulose compounds used in adhesives are not heat resistant; nor are they so flexible at low temperatures. Ethyl Cellulose adhesives, however, can be used in molten state with resins, and films retain flexibility at very low temperatures. Softening point, as well as the tackiness, can be controlled by the addition of Ethyl Cellulose.

Ethyl Cellulose is widely soluble and is probably the toughest cellulose derivative in commercial use. Thus, it brings to the adhesives field adhesives with many advantages, including the following:

(*Continued on next page*)



Ethyl Cellulose Control

Hercules Ethyl Cellulose is made to exact specifications of 47% to 48% ethoxy content. This percentage assures maximum thermoplasticity and best solubility and miscibility. Illustrated is a laboratory control test on ethoxy substitution—one of the tests which enables the Hercules Experiment Station to check the uniformity of Hercules Ethyl Cellulose.

An advertisement of
HERCULES POWDER COMPANY
INCORPORATED
Wilmington, Delaware

Hercolyn Is Superior Water-Resistant Plasticizer For Ethyl Cellulose

Ethyl Cellulose, plasticized with Hercolyn, is far more resistant to water than Ethyl Cellulose plasticized with well-known commercial plasticizers. These illustrations, taken after twenty-four hours' exposure on standard water spot tests, indicate that Ethyl Cellulose — Hercolyn plasticizer stands up while commercial plasticizers "A" and "B" failed under the same conditions.

ETHYL CELLULOSE PLUS 15% HERCOLYN.
ETHYL CELLULOSE PLUS 15% COMMERCIAL PLASTICIZER "A"
ETHYL CELLULOSE PLUS 15% COMMERCIAL PLASTICIZER "B"

Hercolyn* as Plasticizer Improves Water Resistance

Hercolyn, liquid hydrogenated methyl abietate, has wide application as a plasticizer for film-forming materials, such as nitrocellulose, Ethyl Cellulose, Tornesit*, some of the vinyl resins, and other materials.

In Tornesit and cellulose lacquers, Hercolyn acts as both resin and plasticizer, and hence can be used to replace the chemical plasticizer and part of the resin.

Since Hercolyn is extremely resistant to saponification, it improves alkali resistance and water resistance of protective coatings.

Use with Ethyl Cellulose

Hercolyn is one of the few materials found to decrease the water sensitivity of Ethyl Cellulose films. Accompanying illustrations emphasize this property. These compositions do not discolor in ultraviolet light.

Hercolyn is also suggested for use in Ethyl Cellulose plastics, adhesives, and emulsions.

Use with Tornesit

Hercolyn increases the water resistance of indoor Tornesit finishes without detracting from the alkali- and acid-resistance of Tornesit. These lacquers find their chief applications where reagent resistance is of prime importance.

Use with R.S. ½ Sec. Nitrocellulose

Hercolyn is finding increasing use as a resin plasticizer to produce soft, but non-tacky, flexible films of relatively high tensile strength. As much as two parts of Hercolyn to one part of nitrocellulose can be used to produce useful finishes.

In a recent investigation of furniture finishes, it was noted that when Hercolyn replaced the plasticizer and 50 per cent of the resins in the formula—10 parts R.S. ½ Sec. nitrocellulose, 10 parts resin, 5 parts plasticizer—increased resistance to temperature changes resulted.

Other Uses

Hercolyn finds a market in non-oxidizing and light stable adhesive formulations. Hercolyn also is an excellent substance for blending and fixing the bouquet of essential oils.

*Reg. U. S. Pat. Off. by Hercules Powder Company

★ ★ ★ ★ ★

TORNESIT TRAFFIC PAINTS HAVE REMARKABLE LIFE

Ordinary traffic paints wear out quickly under the grueling impact of modern traffic. Traffic paints made with Tornesit usually last from four to ten times longer than commercial traffic paints under the same conditions.

For example, a "SLOW" sign painted with Tornesit-base finish on an asphalt surface on one of the busiest intersections in a large eastern city is still in good condition after eight months' exposure. Adjacent parking lane lines, painted with regular traffic paint and subjected to much less traffic, have been repainted twice in the same period—and there was an intervening time when lines were not visible.

Tornesit is quick drying and thus can be applied satisfactorily with little traffic inconvenience. It resists abrasion and adheres tenaciously. Its chemical resistance is another factor that adds to long life in the modern city.

As a base for straight traffic paints and as a binder for glass beads used as reflectors in traffic lines—giving remarkable brilliance at night — Tornesit has possibilities of importance to traffic paint manufacturers.

★ ★ ★

Traffic Tests Prove Superiority of Tornesit

Applied at the same time on fresh asphalt paving, the Tornesit-base traffic paint (left) is standing up, under heavy city traffic, far better than a high-grade commercial traffic paint (right).

VINSOL* RESIN FOR PROTECTIVE COATINGS

Because of its great dielectric value, Vinsol Resin is widely used for insulating coatings. However, it has many more applications.

As a material for many varnishes, lacquers, enamels, paints, and stains, Vinsol should be considered by every manufacturer of protective coatings. It is hard, high-melting, and dark-colored. The color is fast to light, acids, and alkalies. There are many solvents and partial solvents for Vinsol, and it can be made compatible with oils in which it is not soluble when cold by heating them together at varnish-making temperatures.

The natural color of Vinsol Resin gives a true wood color to spirit varnishes and stains, varying with the amount of resin used, from a cherry to a deep red mahogany.

Vinsol Resin is used successfully as an ingredient in special nitrocellulose lacquers. These lacquers are particularly adaptable to interior wood finishes, imparting to unstained wood a color approximating cherry. This finish has good sanding qualities, takes a high polish, and withstands wear, water, and severe changes in temperature.

Reg. U. S. Pat. Off. by Hercules Powder Company

★ ★ ★ ★ ★

PALE WOOD ROSINS

The uniform quality of Hercules Pale Wood Rosins can be illustrated best by the following physical and chemical constants:

	K	M	N	WG
Melting Point (Drop Method)	175-182°F.	175-185°F.	175-185°F.	175-185°F.
Acid Number	160-167	163-170	163-170	163-170
Unsaponifiable	6-8%	5-7%	5-7%	5-7%
Saponification Number	165-170	167-172	167-172	167-172
Petroleum Ether Insoluble	0-0.5%	0-0.5%	0-0.2%	0-0.2%
Ash	0.02%	0.01%	0.01%	0.01%

★ ★ ★ ★ ★

Tough Molten Adhesives With Ethyl Cellulose

(*Continued from previous page*)

1. **The inherent toughness of cellulose compounds.**
2. **Heat stability (can be applied in molten state).**
3. **Flexibility at low temperatures.**
4. **Wide solubility and miscibility.**
5. **Control of softening point and tackiness of the adhesive.**

By proper selection of resins and plasticizers, it is possible to make non-discoloring adhesives with Ethyl Cellulose, which may be applied by heat alone to porous or non-porous surfaces. These obviate the disadvantage of residual odor, commonly encountered with adhesives containing solvent. Furthermore, the time required for these adhesives to set is very short, the adhesive hardening merely on cooling, a property which makes them of value in automatic packaging machinery.

Ethyl Cellulose adhesives are indicated for use on paper, leather, cloth, metal foil, cork, wood, cardboard, and other surfaces.

For further information detach and mail this coupon

HERCULES POWDER COMPANY
INCORPORATED
905 King Street, Wilmington, Delaware

I should like to have more information about:

☐ Petrex ☐ Tornesit ☐ Pale Wood Rosins
☐ Hercose C ☐ Hercolyn ☐ Ethyl Cellulose
☐ Vinsol ☐ Lacquer Emulsions ☐ Cellulose Acetate

My problem is _____

Name _____

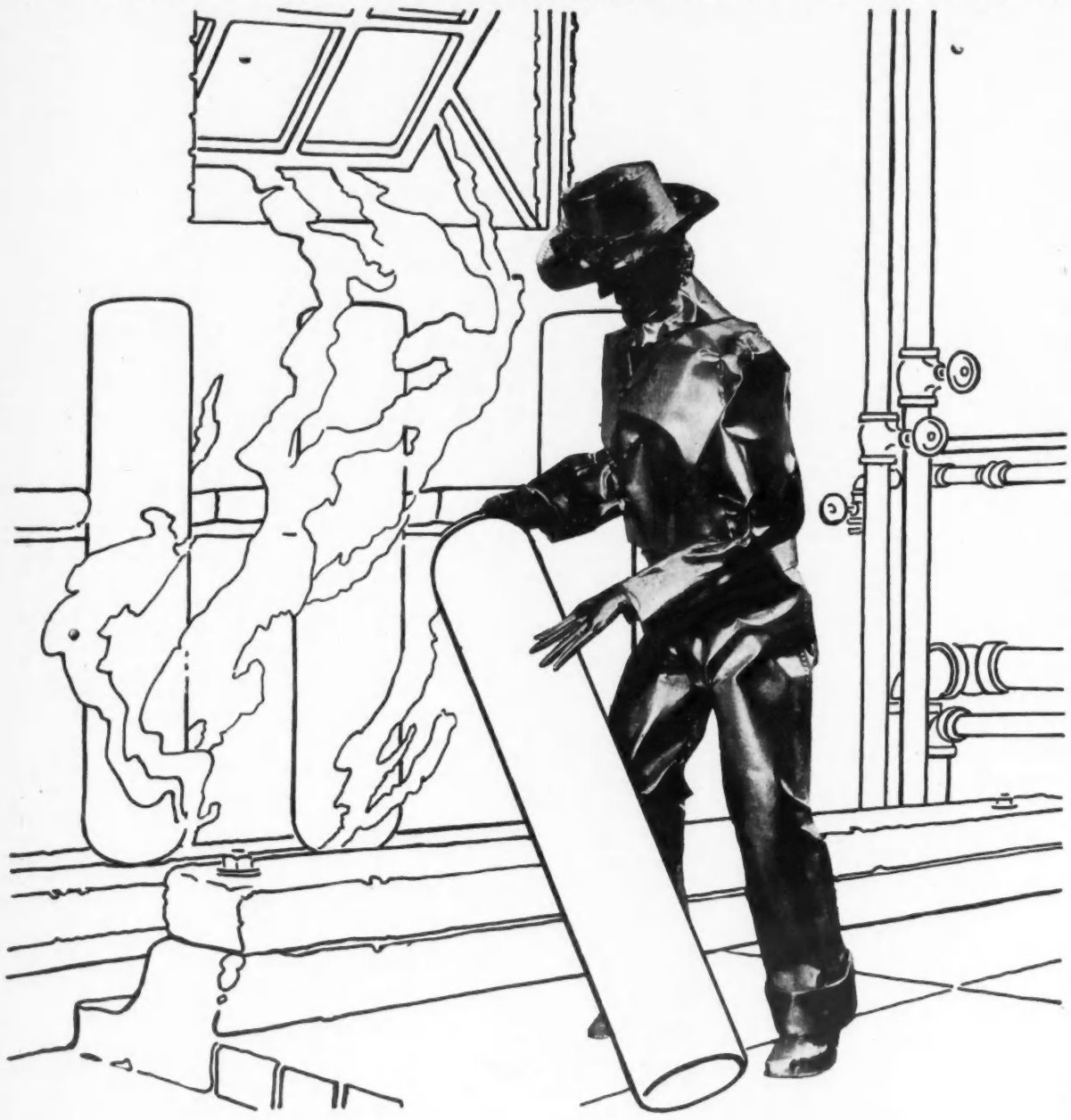
Company _____

Address _____

IN-56

Casein—Crotonaldehyde

Casein, doms., 80-100 mesh, bgs., c.l., dlvd..lb. .13½- .14½
5 tons, works.....lb. .15 - —
smaller lots, works.....lb. .15½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .18 - —
80-100 mesh, bgs., c.l., duty pd..lb. .18½- —
French, 80 mesh, bgs., c.l., duty pd..lb. .17 - .18
Cassia, Batavia, 1, bgs.....lb. .14 - .14¼
3, bls.....lb. .07 - .07¼
short stick, bls.....lb. .12 - .12½
Cassia, China, rolls, select, cs.., lb. .05¾- .06¼
broken, extra bls.....lb. .04 - .04½
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .13½- .14
Cassia fistula, bskts.....lb. .11 - .12
Castile soap, white, bars, cs., 40 lbs. 11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb. 16.00 -18.00
synth., bots.....lb. 19.00 - —
Castor oil (see Oil, castor).
Pomace, com., 5½% ammon., bgs., c.l., works..ton. 25.00 - —
import, bgs., c.i.f., ports, shipment..ton. No prices.
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .18¾- .19¼
Indian, bgs.....lb. .15¾- .16
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
10- lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls. (4 bags), 5 tons, dlvd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls.....lb. .26 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton. 30.40 - —
Colo.....ton. 27.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton. 30.80 - —
Ill., (except river points), Minn., Neb., Wis.....ton. 25.00 - —
Indiana.....ton. 26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton. 23.00 - —
Kansas, El Paso, Tex. ton. 24.00 - —
Michigan.....ton. 27.80 - —
Ohio, Penn.....ton. 29.80 - —
Utah.....ton. 34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works, lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.00 - —
l.c.l., works....ton. 9.50 -15.50
bulk, c.l., works..ton. 6.50 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.00 - —
l.c.l., works.....ton. 9.00 -15.00
China clay, dom., wet-grd., silk-bolt, 99.9% 325 mesh, bulk, c.l., works.. ton. 8.50 - —
paper bgs., c.l., works. ton. 11.00 - —
Import., white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton. 22.00 -25.00
powd., csks., l.c.l., ex dock, ton. 35.00 - —
ex whse.....ton. 37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald. 100 lbs. 2.30 - —
2, works, frt. equald.. 100 lbs. 2.55 - —
1, works, frt. equald.. 100 lbs. 3.00 - —
Chloroacetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lbs. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, comL, 185-lb. cyls., works, frt. equald..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cr, bbls.....lb. .05 - .08
Chrome cake, bulk, c.l., works.. ton. 11.00 -12.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Chrome, trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .20 - .22
high test, bgs.....lb. .45 - .50
quills, broken, bgs.....lb. .20 - .22
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
sulphate, N.F., cns..100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs..oz. .34 - —
Cinchophen, USP., boxes, 5 lbs. lb. 3.75 - —
bots, 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, f.f.c., bots.....lb. 1.55 - 2.00
Cinnamon, Ceylon, 2, bls.....lb. .18½- .19
3, bls.....lb. .18 - .18½
Citral, bots., cns.....lb. 1.70 - 3.15
Citrine ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. 1.00 - 1.50
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .17 - .17½
Zanzibar, bls.....lb. .19 - .19½
Clover tops, bls.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.25 - —
l.c.l., works.....bbl. 8.00 - —
tanks, works.....gal. .07 - .09
refd., bbls., c.l., works...bbl. 7.75 - —
l.c.l., works.....bbl. 8.50 - —
tanks, works.....gal. .08 - .10
Coal tar, water-gas, crude, dms., c.l., works..dm. 6.75 - —
l.c.l., works.....dm. 7.50 - —
tanks, works.....gal. .07 - .09
refd., dms., c.l., works..dm. 7.25 - —
l.c.l., works.....dm. 8.00 - —
tanks, works.....gal. .08 - .09
Cobalt acetate, bbls., dlvd.....lb. .58 - .60
kgs., dlvd.....lb. .65 - —
Carbonate, tech., bbls., dlvd.lb. 1.50 - —
Chloride, dms., works.....lb. .67¾- .72¾
Hydrate, bbls.....lb. 1.60 - —
Linoleate, paste, 6%, dms...lb. .29 - —
solid, 8½%, bbls.....lb. .31 - —
Oleate, bbls.....lb. .26 - —
Oxide, black, kgs.....lb. 1.41 - 1.51
Resinate, fused, A, bbls.....lb. .13 Nom.
1%, bbls.....lb. .12½ Nom.
2%, bbls.....lb. .13½- —
3½%, bbls.....lb. .16½- —
precip., dms., dlvd.....lb. .31½- —
Sulphate, dms.....lb. .51 - .58
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .32 - .36
Teneriffe, silver, bgs.....lb. .33 - .37
Cocillana bark, bgs.....lb. .19 - .20
Cocoa butter, lumps, bgs., c.l..lb. .17½- .18
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver)
Cohosh, black, root, bls.....lb. .07½- .08
Blue, root, bls.....lb. .06½- .07
Colchicine, bots., 4 ozs.....oz. 25.00 - —
single ozs.....oz. 26.00 - —
Colchicum seed, bgs.....lb. .23 - .25
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .75 Nom.
Colombo root, bls.....lb. .55 Nom.
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba, balsam, Para, cns...lb. .38 - .39
S.A., USP, cns.....lb. .40 - .41
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .18 - —
18-20%, bbls.....lb. .10¼- .12½
Chloride, bbls.....lb. .15 - .17
Cyanide, tech., bbls.....lb. .37 - .39
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .14 - —
Nitrate, cryst., bbls.....lb. .15 - —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. No prices
smaller lots, works....lb. No prices
Red, com'l, 50-75%, kgs., c.l., f.o.b. N. Y..lb. No prices
l.c.l., f.o.b. N. Y....lb. No prices
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol)
Copperas, cryst., gran., bgs., c.l., works..ton. 14.00 -15.00
bbls., c.l., works.....ton. 16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 12.00 -13.00
Copra, bgs., Pacific Coast.....lb. .0370- .0375
Coriander seed, Morocco, bgs..lb. .04¾- .05¼
bleached, bgs.....lb. .07 - .07½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 4.34 - —
ex whse.....100 lbs. 4.44 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.36 - —
43°, bbls., c.l.....100 lbs. 4.41 - —
Cornsilk, bls.....lb. .07½- .08
Corrosive sublimate, cryst., dms., lb. 1.37 - 1.38
gran., powd., dms.....lb. 1.22 - 1.23
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 25-30% pot-ash bulk, dlvd..unit-ton. 1.05 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.80 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .19 - .22
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .17¾- —
smaller lots, bbls.....lb. .18¼- —
kgs.....lb. .18¾- —
Creosote, wood, beech., bots..lb. .70 - .75
hard, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13 - .13½
Coaltar solution, tanks, works gal. .113 - .125
refd., bbls., c.l., works..gal. .22¼- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .12 - —
l.c.l., same basis.....lb. .12½- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —



EBG MAKES A CLEAN GETAWAY...WASHED AND DRIED WITH STEAM...*When a cylinder is returned to EBG it is inverted on a special machine and the inside is scoured clean as a surgeon's instrument. It is then steamed... air-dried... inspected with a special light. The valve is reconditioned, tested for perfect operation. From top-to-bottom, inside and out, EBG containers are subjected to a stern system of cleaning, inspecting and reconditioning. This is the way we make sure that EBG Liquid Chlorine is pure and makes a "clean getaway" from our plant to yours.*

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N. Y.
Plant: Niagara Falls, N. Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Cube root, powd., 5% rotenone, bbls., 30,000 lbs., frt. equaled., with Newark, Balto., and West Coast. lb. .27 - —
10,000 lbs. and over, same basis..lb. .28 - —
2,000 lbs. and over, same basis..lb. .29 - —
1,000 lbs. and over, same basis..lb. .31 - —
200 lbs. and over, same basis..lb. .33 - —
Cube root, 4% rotenone prices, 5c. per lb. less.
coarse grd., 4% & 5% rotenone, prices 1c. less than powd.
3% rotenone, 6c. less than powd.
Cubeb berries, XX, bgs.....lb. .31 - .32
powd., cs. .....lb. .35 - .36
Culver's root, bls.....lb. .17 - .19
Cumin seed, Algerian, bgs....lb. .08 - .08½
Indian, bgs.....lb. .08¼Nom.
Morocco, bgs.....lb. .08¼- .08¾
Cutch, Philippine, bls., c.l....lb. .04 - —
Cyanamide, 21-22% N., dom., pulv., bgs., dlvd., contrs., NH_3 unit.. 1.15 - —
Cyanide-chloride mixture, 75%, gran., dms..lb. .16 - .17
lump, dms.....lb. .14 - .15

D

Damiana leaves, bls.....lb. .17 - .18
Dandelion root, German, bls..lb. .20 - .21
Deertongue leaves, bls.....lb. .25 - .30
Degras, common, dom., bbls...lb. .08¼Nom.
English, bbls.....lb. .08¼Nom.
neutral, dom., bbls.....lb. .12¾Nom.
English, bbls.....lb. .12¾Nom.
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., or Balto., frt. prepaid to West Coast ports..lb. .39 - —
30,000 lbs., contract or orders, basis..lb. .39½- —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
1 bbl., same basis....lb. .44 - —
less than 200 lbs., same basis..lb. .47 - —
import contracts, 30,000 lbs..lb. .21½- —
10,000 lbs. .....lb. .22 - —
4% rotenone prices 6c. per lb. less.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 5.15 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.25 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.00 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 4.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.05 - —
Potato, import., bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .08 - Nom.
Diamyl ether, dms., c.l., works. lb. .085 - —
l.c.l., works .....lb. .092 - —
tanks, works .....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd. .....lb. .18½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import., bgs., c.l., c.i.f.....ton.30.00 - —
Dibutyl phthalate, dms.....lb. .20 - —
Tartrate, dom., dms.....lb. .35 - .40
import., dms.....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichloroethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .27 - —
tanks, works.....lb. .25 - —
Diethyl carbonate, coml., dms.lb. .31¾- —
refd.; 99%, dms.....lb. .50 - —
Carbinol (see Carbinol)
Phthalate, dms., c.l.....lb. .18 - —
l.c.l .....lb. .18½- —
tanks .....lb. .17 - —
Diethylaniliin, dms.....lb. .50 - —
Diethyleneglycol, dms., c.l.,works, lb. .21 - —
l.c.l., works.....lb. .22 - .23
Monobutylether, dms., works.lb. .26 - .27
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Diethyl sulphate, dms.. c.l., works..lb. .13 - —
l.c.l.,works.....lb. .14 - —
tanks .....lb. .12 - —
Digitalis leaves, dms.....lb. .27 - .30
Digylcol oleate, light, bbls....lb. .21 - .24
Dillseed, recleaned, bgs.....lb. .06¾- .07¼
Dimethyl phthalate, dms.....lb. .21 - —
Dimethylaniliin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .16½- .17¼
Dinitronaphtiralene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .14½- .15½
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tal acid oil)
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls, c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Diphenyl, oxide, bots.....lb. .70 - 1.00
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.34.00 Nom.
Dograss root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .90 - 1.00
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
Dyes, coaltar, for general use (numbers are those of Colour Index scale):—
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
364 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
413 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G .....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
629 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan .....lb. .30 - .50
Sulphur yellow .....lb. .30 - .50
Zambesi black .....lb. .75 - .80
Dyes, coaltar, for stains (numbers are those of the Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue .....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown ....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 3.00 - —
Violet:—
650 Methyl violet.....lb. 1.00 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S. lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray ....lb. 1.50 - —
Blue:—
714 Patent blue A .....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue ....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G, lb. .42 - —
57 Amidonaphthol red 6B, lb. .68 - —
79 Ponceau R .....lb. .48 - —
88 Fast red B .....lb. 1.05 - —
176 Fast red A .....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchain .....lb. 1.90 - —
749 Rhodamine B .....lb. 3.50 - —
752 Rhodamine 6G .....lb. 4.50 - —
768 Eosin G .....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Dyes, coaltar, for stains (numbers are those of the Colour Index scale):—
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow .....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .30 - .35
Egg albumen (ace Albumen).
Yolk, dom., cs.....lb. .68 Nom.
import, cs.....lb. .56 - .57
Elder flowers, bright, bls.....lb. .19 - .20
dark, bls.....lb. .18 - .19
Elecampane root, bls.....lb. .11 - .12
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs. .....lb. .18 - .19
select, bndls., cs.....lb. .45 Nom.
Emetine hydrochloride, bots., oz.15.00 -16.00
Ephedra, bls. .....lb. .06 - .07
Ephedrine, tins, 100 ozs. .....oz. 1.00 - —
Hydrochloride, tins, 100 ozs.oz. 1.00 - —
Sulphate, cryst.,tins, 100 ozs.oz. 1.00 - —
powd., tins, 100 ozs.....oz. 1.05 - —
Epsom salt, tech., bgs....100 lbs. 1.70 - —
bbls. .....100 lbs. 1.80 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 1.90 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.15 - —
smaller lots.....lb. 2.40 - —
bbls., c.l.....lb. 2.00 - —
l.c.l., 5,000 lbs. 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
kgs., c.l.....lb. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.50 - —
smaller lots.....lb. 2.75 - —
import, bgs.....100 lbs. 2.00 - —
dried, dom., bgs., l.c.l...lb. .06 - .08
Ergot, USP, cs., dms.....lb. 1.80 - 1.85
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.29.00 -30.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic, dms., 400 lbs...lb. .09 - —
cns., 35 lbs.....lb. .14 - —
Ethyl (see Ether, sulphuric)
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
anhyd., dms., c.l., frt. alld.lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Acetoacetate, dms., c.l., works lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, bots.....lb. 3.40 - 4.25
Crotonate, dms., works....lb. 1.00 - 1.25
Formate, dms .....lb. .27 - .28
Iodide, bots.....lb. 5.55 - 5.70
Lactate, 55-gal. dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, 501 lbs. and over, works..lb. 1.00 - —
101 lbs., works.....lb. 1.05 - —
smaller lots, works.....lb. 1.15 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms, c.l., works, E. of Rockies, frt. alld..lb. .0545- —
West of Rockies, same basis..lb. .0595- —
Ethylene dichloride, l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- —
West of Rockies, same basis..lb. .0694- —
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - .21
tanks .....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Ethyleneglycol, monobutylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .13 - —
Monomethylether, dms.. c.l., works..lb. .18 - —
l.c.l., works .....lb. .19 - .22
tanks works .....lb. .17 - —
Ethylidinaniiin, dms .....lb. .43 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts. lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Ethylorthoparatoluenesulphonamide, bbls..lb. .55 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .60 - .70
Eucalyptus leaves, bls.....lb. .09 - .10
Eugenol, bgs., cns.....lb. 2.10 - 2.55
Euphorbia, bls.....lb. .06 - .06½

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -15.00
glass, 20 mesh, bulk, works.ton.11.00 -12.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
India, bags .....lb. .07¼- .07½
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04½- .05
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .12½- .13
smaller lots, E. works. lb. .13½- .14
light, cs., 1,000 lbs. or over, works..lb. .14 - .15
smaller lots, E. works.lb. .15 - .16
water white, cs., 1,000 lbs. or over, E. works..lb. .15 - .16
smaller lots, E. works.lb. .16 - .17
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.
Fir balsam, Canada, cns.....gal. 8.75 -13.00
Oregon, bbls.....gal. 1.60 - 1.70
Fish berries, bgs.....lb. .09 - .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton. 4.00 & .10

Cube Root—Glycerin

Fish scrap, menhaden, grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton. No prices.
wet, acidulated, 6-7% ammon., 3-4% phosphor, acid, bulk, E. Cst. factories, contracts..unit-ton.3.00-3.10 & .50 Nom.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f., ports, June-Aug. shipt..ton.51.00 - —
nearby arrival....ton.55.00 - —
Flake white, bbls., kgs.....lb. .08¾- .09
Flaxseed, French, black, bgs..lb. .10¾- .11
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, enamel, 96-98%, bgs., ton. No prices.
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines, ton.20.00 -21.50
import, bulk, Atlantic ports, duty-paid..ton. No prices.
f.o.b. Ill., Ky., mines...ton.21.00 -22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton. No prices.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¾- —
dms., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .06¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .13 - .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import., bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .18
Fusic extract, cryst., bbls.....lb. .20 - .25
liquid, bbls.....lb. .08½- .09
solid, dms.....lb. .16 - .18

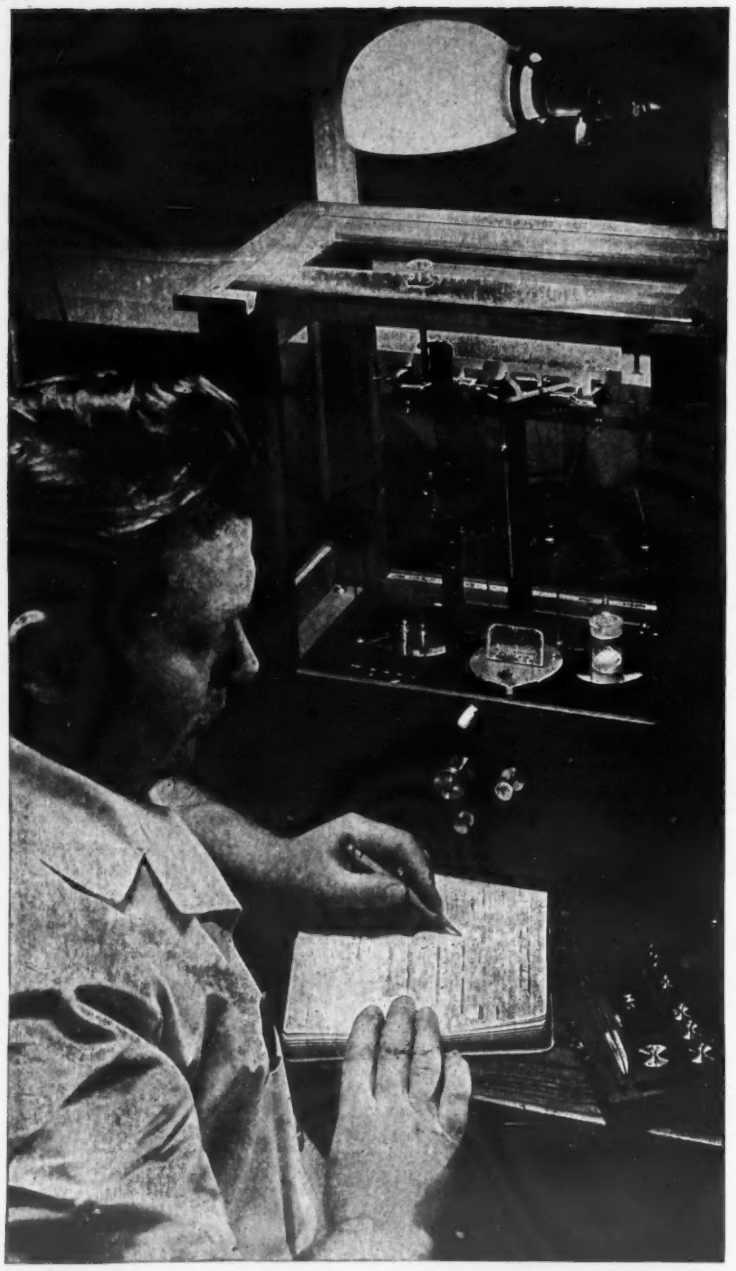
G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .08 - .09
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs.....lb. No prices.
plantation, bgs.....lb. .08¾- .09
Cubes, Singapore, bgs.....lb. .10¼- —
Extract, bbls.....lb. .08½ Nom.
Gasoline, at refinery:—
Bayonne, US motor, 62-63 octane, tanks..gal. .07 - —
65 octane, tanks.....gal. .07½- —
above 65 octane, tanks.gal. .08 - —
California, 54-58, tanks...gal. .07½- —
Gulf Coast, US motor, bulk, gal. .05½- —
60-62, 390 e.p., bulk, export, gal. .06½- —
60-62, 400 e.p., bulk, export, gal. .06 - —
64-66, 375 e.p., bulk, export, gal. .06¼- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .05¾- .06
63-67 octane, tanks....gal. .06½- .06¾
68-70 octane, tanks....gal. .06¾- .06⅞
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04¾- .05¾
63-67 octane, tanks....gal. .05½- .05¾
68-70 octane, tanks....gal. .05⅞- .06½
60-62, 400 e.p., tanks....gal. .04¾- 05¾
64-66, 375 e.p., tanks....gal. .05 - .05¼
natural, 12-lb. vapor pres., tanks..gal. .05¼- .05½
14-lb. v.p., tanks.....gal. .05 - —
18-lb. v.p., tanks.....gal. .03¾- .03¾
22-lb. v.p., tanks.....gal. .03½- —
26-70-lb., v p., tanks..gal. .03 - .03¼
Pennsylvania, US motor, below 60 octane, tanks..gal. .05¼- —
60 octane, tanks.....gal. .06¾- —
52-54, 450 e.p., naphtha, tanks..gal. .04¾- —
54-56, 400 e.p., strt. run, tanks..gal. .05¼- —
Gelatin, silver, cs.....lb. .50 - .55
Gelsemium root, bls.....lb. .12 - .13
Gentian root, bls.....lb. .15 - .16
grd., bbls., bxs.....lb. .17 - .18
powd., bbls., bxs.....lb. .18 - .19
Geraniol, cns., dms.....lb. .75 - 3.00
Geranyl acetate, bots., dms...lb. 1.75 - 2.50
Ginger root, Africa, bgs.....lb. .15 - .15½
Cochin, lemon, bgs.....lb. .15 - .15½
Jamaica, bold, bgs.....lb. .18½- .19
grinding, bright, bgs.....lb. .15 - .15¼
medium, bold, bgs.....lb. .16 - .16½
Japanese, bgs.....lb. .16 - .16½
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 4.00 - 5.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .96 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
58/82, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
82/108, bgs., c.l., dlvd....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Midwest..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
60/164,bgs.,c.l.,same basis.lb. .19 - —
l.c.l., same basis.....lb. .19½- —
67/192,bgs.,c.l.,same basis.lb. .20 - —
l.c.l., same basis.....lb. .20½- —
75/222, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
83/251,bgs.,c.l.,same basis.lb. .22 - —
l.c.l., same basis.....lb. .23 - —
92/283,bgs.,c.l.,same basis.lb. .23 - —
l.c.l., same basis.....lb. .24 - —
102/315, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
113/347, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis.....lb. .25½- —
125/379, bgs., c.l., same basis lb. .25½- —
l.c.l., same basis.....lb. .26½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. .23½- .24
dms., extra, c.l.....lb. .21½- —
l.c.l. .....lb. .22 - —
dynamite, dms., extra, c.l....lb. .21½- —
l.c.l. .....lb. .22 - —

A Guaranty of MERCK *Purity & Reliability*

Precise Control

OVER EVERY INGREDIENT



Every chemical distributed by Merck is produced under the constant supervision of experienced control chemists and must conform to definite standards of purity and uniformity. Only the highest grade of raw materials obtainable is used, and each product is guaranteed to meet modern manufacturing requirements in every particular.

The experience and facilities of our organization are available to help you solve your manufacturing problems. We invite you to write us regarding your requirements.

MERCK

MERCK & CO. Inc.

Manufacturing Chemists

RAHWAY, N. J.

NEW YORK · PHILADELPHIA · ST. LOUIS

In Canada: MERCK & Co. LTD., Montreal and Toronto

Glycerin, saponification, basis 88%, dms. returnable, dlvd..lb. .15½- .16
soapiye, basis 80%, dms., returnable, dlvd..lb. .14 - .14½
yellow, distilled, dms., extra, cl. lb. .23⅜- —
l.c.l. .....lb. .23⅝- —
Glycol boriborate, dms.....lb. .26 - —
Phthalate, dms.....lb. .40 - —
Stearate, dms.....lb. .27½- —
Gold, U. S. purchase price....oz.35.00 - —
Chloride, acid, brown, bots..oz.21.75 -22.00
yellow, bots.....oz.19.75 -20.00
Gold-soda chloride, photo., 5bts. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .19 - .19½
Golden seal root, bls.....lb. 3.25 - 3.40
powd., bxs.....lb. 3.40 - 3.45
Grains of paradise, bgs.....lb. .25 - .30
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .07¾- .08⅛
white, trcs.....lb. .08¼- .09⅛
yellow, trcs.....lb. .07¾- .08⅛
Wool (see Adeps lanae and Degras)
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P. color content up 5%, bbls., same basis.lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07⅝- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
chrome, oxide, dom., pure..bbl. .21 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08½- .10
Guaiac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib., dms., 25 lbs..lb. 2.20 - —
kgs, 100 lbs.....lb. 2.15 - —
Guarana, powd., cs.....lb. .75 - .80
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .15 - .15½
white, sorts, 1, bgs.....lb. .29 - .30
2, bgs .....lb. .27 - .28
powd., bbls.....lb. .18 - .18½
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs.....lb. .16 - .17
Camphor (see C)
Chicle, bgs.....lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran...lb. .46 - —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis..lb. .30⅝- —
3, selected pale straw bold, bgs., c.l. same basis..lb. .20 - —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .16 - —
6, pale amber bold, bgs., c.l., same basis..lb. .14¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .14⅝- —
8, light amber bold, bgs., c.l., same basis..lb. .13¼- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis lb. .10⅞- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¼- —
12, selected bold sorts, bgs., c.l., same basis..lb. .07¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .07¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale fingers, bgs., c.l., same basis..lb. .19 - —
18, pale straw nubs, bgs., c.l., same basis..lb. .12⅜- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11⅜- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —

Gum, copal, Congo, 21 ordinary selected nubs, c.l., same basis..lb. .08⅛- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .07¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .06⅛- —
26, pale bold chips, bgs., c.l., same basis..lb. .06⅝- —
27, pale small chips, bgs., c.l., same basis..lb. .06⅛- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .05⅛- —
East India, Batu, bold scraped, bgs., c.l., same basis..lb. .05⅜- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03⅝- —
dust, bgs., c.l., same basis..lb. .03⅛- —
nubs and chips, bgs., c.l., same basis..lb. .03⅜- —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅞- —
unscraped, bgs., c.l., same basis..lb. .04⅛- —
nubs and chips, bgs., c.l., same basis..lb. .04⅛- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .13 - —
chips, bgs., c.l., same basis..lb. .06⅛- —
dust,.bgs.,c.l.,same basis, lb. .03⅝- —
nubs, bgs., c.l., same basis..lb. .11¼- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15⅝- —
chips, bgs., c.l.,same basis, lb. .04⅜- —
dust,bgs.,c.l.,same basis.lb. .03⅝- —
nubs,bgs.,c.l.,same basis.lb. .10⅜- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —
Loba A, bskts., c.l., same basis..lb. .10⅛- —
B,bskts.,c.l., same basis.lb. .09¾- —
C,bskts.,c.l., same basis.lb. .09⅝- —
CNE, bskts., c.l., same basis..lb. .07⅝- —
D, bskts., c.l., same basis, lb. .08¾- —
DK, bskts.,c.l., same basis, lb: .07⅝- —
DU, bskts., c.l..same basis, lb. .08⅜- —
dust,bskts.,c.l., same basis, lb. .06¼- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14⅜- —
Singapore, dust, bskts., c.l., same basis..lb. .06½- —
spirit, soluble, CBB, bskts., c.l., same basis..lb. .08⅜- —
DBB,bskts.,c.l.,same basis, lb. .08⅜- —
MA, bskts., c.l.,same basis, lb. .07¼- —
MB, bskts.,c.l.,same basis, lb. .06⅜- —
WS, bskts.,c.l.,same basis, lb. .08¼- —
Philippine Manila, amber sorts, bskts., c.l., same basis...lb. .08 - —
chips, pale, bskts., c.l., same basis..lb. .06⅞- —
small, bskts., c.l., same basis..lb. .08 - —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs,bskts.,c.l., same basis.. lb. .10⅜- —
pale, scraped, bskts., c.l., same basis..lb. .11⅜- —
seeds and dust, bskts., c.l., same basis..lb. .06⅝- —
Pontianak, bold, genuine, bgs., same basis..lb. .16 - —
mixed, bgs., c.l.,same basis lb. .14 - —
chips,bgs.c.l., same basis.lb. .10¼- —
nubs, bgs.,c.l., same basis.lb. .12⅜- —
split,bgs.,c.l., same basis.lb. .15¼- —
Dammar, Batavia A. cs., c.l., A/D, cs., c.l., same basis..lb. .18⅝- —
A/E, cs., c.l., same basis.lb. .15¼- —
B, cs., c.l., same basis...lb. .22¼- —
C, cs., c.l., same basis...lb. .18½- —
D, cs., c.l., same basis..lb. .15¼- —
dust, cs., c.l., same basis.lb. .06¾- —
E, cs., c.l., same basis...lb. .08⅛- —
F, cs., c.l., same basis...lb. .06¾- —
Singapore, 1, cs., c.l., same basis..lb. .20 - —
2, cs., c.l., same basis....lb. .15⅞- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .12 - —
dust, cs., c.l., same basis.lb. .05¼- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., 75,000 lbs., dlvd. lb. .10¾- —
c.l., single shipment, dlvd. lb. .10¾- —
l.c.l., 3,000 lbs., single shipment, dlvd..lb. .11 - —
smaller lots, dlvd.....lb. .11¼- —
Eunhorbium, cs.....lb. .17 - .18
Galbanum, cs. .....lb. .95 - 1.00
Gamboge, pipe, cs. .....lb. .58 - .59
powd., bbls. .....lb. .65 - .66
Ghatti, soluble, bgs.....lb. .11 - .16
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .27 - .30
XX, bbls., bxs., dms.....lb. .18 - .19
1, bbls., bxs., dms.....lb. .12 - .13
2, bbls., bxs., dms.....lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .26 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .14⅝- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins .....lb. 1.60 - 1.70
Mastic, cs., c.l., same basis as copal..lb. .57 - .58
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .07½- .18
tears, cs. .....lb. .16 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as copal..lb. .33 - .35
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .27 - .29
sorts, bgs.....lb. .14½- .15
Talha, bgs.....lb. .05 - .06
Thus, bbls.....280 lbs.13.75 -14.00
Tragacanth, Aleppo, 1, cs....lb. 3.00 - 3.25
2, cs.....lb. 2.50 - 2.75
3, cs.....lb. 2.45 - 2.70
4, cs.....lb. 2.40 - 2.65
5, cs.....lb. 2.25 - 2.50
Flake, bgs.....lb. .50 - 1.00

Gum, Yacca, bgs., c.l., same basis as copal..lb. .08½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.21.15- —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of parts, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge,Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.90 - —
Terra alba, dom., paper bgs., c.l., f.e.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
import., bgs., ex dock....ton.27.50 - —

H

Hellotropin, cryst., cns.....lb. 2.60 - 2.80
Hellebore, white,root,powd.,bbls.lb. .12 - .13
Helonias root, bls.....lb. .45 - .50
Hematine crystals, bbls.....lb. .16 - .34
Hemlock extract,25% tan.,bbls.lb. .03 - .03¼
Hempseed, Manchur, bgs.....lb. .04⅝- .05⅛
Henbane leaves, bls.....lb. .20 - .21
Henna leaves, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09¼- —
normal, 86-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
90-100°C., dms., l.c.l., 250 gls., W. Va. shipping points..gal. .40 - —
Hexalin, dms .....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
250 gals., W. Va. shipping points..gal. .40 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more shipments, same basis..lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago...unit-ton. 3.50 - —
Hops, dom., 1936 crop, bls....lb. .46 - .51
import., 1936 crop, bls.....lb. .55 - .70
Horehound, bls.....lb. .07 - .08
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 ozs.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen, peroxide, USP, bbls.lb. .03⅝- .04
100 vols., cbys.,E.of Miss.R.lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, bbls., 225 lbs...lb. 1.10 - —
cns., 25 lbs.....lb. 1.12 - —
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .15 - .20
solid, bxs.....lb. .17 - .20

I

Iceland moss, bls.....lb. .13 - .14
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.65 - —
cbys., 5 gals.....gal. 1.75 - —
mild, bbls., 47 gals.....gal. .90 - —
cbys., 5 gals.....gal. 1.00 - —
Iodoform., dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.65
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.50 - 1.55
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .20
Iron acetate, N. F., IV, cbys., 100 lbs..lb. .15 - —
kgs..lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .06
USP, cryst., bbls., 500 lbs..lb. .07½- —
kgs., 100 lbs.....lb. .08¾- —
solut., USP, cbys., 130 lbs., lb. .06½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns. lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —

Glycerin, Sapon.—Lead, Red

Iron, nitrate, coml., kgs.....lb. .02⅝- .08
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .33 - .35
Oxide (see Black, Red, etc)
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas)
USP, cryst., bbls., 275 lbs., lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls. ....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs. .....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, Isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .21 - .23
Juniper berries, bgs.....lb. .05½- .06

K

Kamala, tins.....lb. .36 - .37
Kava kava root bls.....lb. .17 - .19
Kerosene, at refinery:—
Bayonne, 41-43 w.w.,tanks.gal. .05½- .05⅝
Gulf ports, p.w., bulk, export. gal. .04¾- —
w.w., bulk, export....gal. .06 - —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¼- .04½
Oklahoma-Texas, 41-43 w.w. tanks..gal. .04½- .04¼
42-44 w.w., tanks.....gal. .04¼- .04⅜
Pennsylvania, 45 w.w., tanks. gal. .04⅜- —
46 w.w., tanks.....gal. .05 - —
47 w.w., tanks.....gal. .05½- —
Kerosene, tankwagon:—
Atlanta .....gal. .14½- —
Boston .....gal. .07½- —
Chicago .....gal. .101 - —
Cincinnati .....gal. .135 - —
Denver .....gal. .11 - —
Louisville .....gal. .10 - —
Minneapolis .....gal. .10¼- —
New Orleans .....gal. .14 - —
New York.....gal. .07¼- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .11 - .12

L

Lady slipper root, bls.....lb. .42 - .45
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.13.00 -13.25
Middlewestern, trcs.....100 lbs.12.50 -12.60
Neutral, trcs.....100 lbs.13.00 -13.25
Western, choice, trcs.....100 lbs.12.60 -12.70
Compound, trcs.....100 lbs.12.75 -13.00
Larkspur seed, bgs.....lb. .24 - .25
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05⅛
Lavender flowers, ordinary, bls.lb. .40 - .42
select, bls.....lb. .60 - .75
Lead acetate, white, broken, bbls..lb. .13½- —
cryst., bbls. .....lb. .13½- —
gran., bbls .....lb. .14¼- —
powd., bbls. .....lb. .14¼- —
Arsenate, dms., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11½- —
1,000 lbs. or more, dealers dms., E. of Rockies..lb. .12 - —
W. of Rockies.....lb. .11⅝- —
less than 1,000 lbs., dealers, E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck. allowance for works or whse. pick-ups.
Blue, basic, sulphate, bbls., c.l., dlvd., E..lb. .07 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07½- —
l.c.l., dlvd. E.....lb. .07¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07¾- —
Carbonate (see Lead, white)
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .20 - —
5 lb. cont., f.o.b. works..lb. .23 - —
Nitrate, bbls. .....lb. .11 - .11⅛
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, Ill., Iowa., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0875- —
other points.....lb. .0850- —

MONEY-MAKING PACKAGING IDEAS

Package improvements can increase sales and profits. Repeat orders rushed to us tell quickly those that "click". Sometimes changes are simple . . . sometimes revolutionary. Many of the ideas can be applied with equal profit to *other* products.

FOR INSTANCE, TAMPER-PROOFING!
Motor oil first proved its profitableness. Now linseed oil is stepping ahead in factory-sealed cans, assuring purchasers full weight, and guaranteed purity. Put up in three handy sizes, customer selects can needed, punches triangle with the Canco "Quick and Easy" Opener . . . and pours. Will this proven idea fit *your* product?

FOR INSTANCE, MODERN BEAUTY!
At left is the previous, *labeled* can, at right, the redesigned, brilliant, *lithographed* can. The new, handsomer can is attracting increased notice on shelves, counters and in windows. Sales show the result. Do you know how economically *you* can change to a modernized, beautiful, lithographed container?

HERE'S A FAST-STEPPER

These catchy games have been selling so fast we can't keep track of just how many hundreds of thousands have moved across counters to date. We think you will agree that the good-looking Canco fibre container has helped. It stands erect . . . pokes its head above the crowd. Shoppers pick it up and ask about it. A strong, economical container.

WANT MORE IDEAS? Tell us what your product is and we will send specific sales-building ideas to fit it. Address Dept. OP-5

CANCO

AMERICAN CAN COMPANY

230 PARK AVENUE, NEW YORK CITY

WORLD'S LARGEST MANUFACTURER OF METAL AND FIBRE CONTAINERS

Lead, red, dry, 95% or less Pb_3O_4,
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09¾- —
Colo., Mont., N. Mex., Wyo....lb. .09½- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc. .....lb. .10¼- —
Colo., etc. .....lb. .10 - —
other points.....lb. .09½- —
97%, Pb_3O_4, bbls., c.l., (20 tons) dlvd., Ala., etc.lb. .09 - —
other points.....lb. .0975- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09½- —
Ariz., etc. .....lb. .10 - —
Colo., etc. .....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd., Ala., etc..lb. .10 - —
Ariz. .....lb. .10¼- —
Colo. .....lb. .10¼- —
other points.....lb. .09¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0925- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc. .....lb. .10¼- —
Colo., etc. .....lb. .10½- —
other points ....lb. .10 - —
in oil, steel kegs, 1,000 lbs..lb. .11¾- —
500 lbs.....lb. .12 - —
smaller lots.....lb. .12¾- —
Resinate, fused, 10%, bbls....lb. .09½- —
pale, bbls. .....lb. .11¼- —
precip., bbls. .....lb. .16½- —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see Lead, white)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .12 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .12¼- —
smaller lots.....lb. .12½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points .....lb. .07½- —
l.c.l. dlvd. Ariz., etc..lb. .08 - —
other points .....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¾- —
in oil, 100-lb. kgs., 1,000 lbs., dlvd..lb. .11¾- —
500 lbs., dlvd.....lb. .12 - —
smaller lots, dlvd.....lb. .13 - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs....lb. .17 - .18
powd., bbls.....lb. .27 - .28
Root, bls.....lb. .04½- .05
powd., bbls, bxs.....lb. .07 - .08
select, bndls., cs.....lb. .20 - .21
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa..ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio .....ton. 6.50 - —
Eagle Mountain, Va..ton. 6.25 - —
Easton, La. .....ton. 7.00 - —
Farnams, Mass. ....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo. .....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn. ....ton. 6.25 - —
Leroy, Minn. .....ton. 8.00 - —
Limedale, Ark. .....ton. 7.00 - —
Longview, Ala. ....ton. 6.25 - —
Marble Cliff, Ohio....ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich. ..ton. 7.50 - —
Mitchell, Ind .....ton. 6.50 - —
Newala, Ala. .....ton. 6.25 - —
Petosky, Mich. .....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 6.25 - —
Riverton, Va. .....ton. 6.25 - —
Scioto, Ohio .....ton. 6.00 - —
Sheboygan, Wis. ....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo. ....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
Hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va. ....ton. 8.50 - —
Buffalo .....ton.11.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa....ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex. .....ton.12.00 - —
Durbin, Ohio .....ton. 8.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Easton, La. .....ton. 9.00 - —
Farnams, Mass. ....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo. .....ton. 8.50 - —
Keystone, Ala. .....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Limedale, Ark. ....ton. 9.00 - —
Longview, Ala. ....ton. 9.00 - —
Louisville, Ky. ....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind. .....ton.12.50 - —
Mitchell, Ind. .....ton. 9.00 - —
Newala, Ala. .....ton. 9.00 - —
Pelham, Ala. .....ton. 9.00 - —
Petolsky, Mich. .....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va. ....ton. 8.00 - —
Riverton, Va. .....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —

Lime-sulphur, dry, dealers, bgs., less than 400 lbs., same basis, lb. .08¼- .09½
dms., same basis.....lb. .12 - —
solution, dms., consumer, c.l., works, fr't all'd..gal. .13½- .16½
dealer, fr't all'd.....gal. .13 - .16
l.c.l., consumer, fr't all'd, gal. .15 - .18
dealer, fr't all'd.....gal. .14 - .17
tanks, consumer, dlvd...gal. .11½- —
dealer, dlvd.....gal. .11 - —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 2.45
Linden flowers, with leaves, bls.lb. .16 - .17
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton.26.00 - —
Meal, 32%, dom., bgs.....ton.36.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .0775- —
other points.....lb. .0750- —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08¼- —
Lithium bromide, jars, 25 lbs. lb. 1.70 - 1.75
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs.....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs.....lb. 1.40 - —
Iodide, bots., 5 lbs.....lb. 4.85 - —
jars, 25 lbs.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.60
Lithopone, dom., high-strength, bgs., 1,000 lbs., dlvd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 1,000 lbs., same basis..lb. .04¼- —
smaller lots, same basis.lb. .04½- —
bbls., 1,000 lbs., same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 1,000 lbs., same basis..lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, crystl., bbls.lb. .16 - .20
liquid, 51°, bbls.....lb. .08½- .10½
solid, bxs.....lb. .13½- .17
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N E., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. 1.35 - 1.40

M

Mace, Banda, cs.....lb. .59 - .60
Batavia, cs.....lb. .48 - .49
Slauw 1, cs.....lb. .55 - .56
Madder, Dutch, bgs.....lb. .22 - .23
Magnesia, arsenate, cs., dms..lb. .18 - .20
Calcined, dom., four-hour, including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis. lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis. lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls .....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
Zone 2, bgs., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
bbls., c.l.....lb. .07 - —
l.c.l. .....lb. .07½- —
kgs., c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
USP, Zone 1, bbls., c.l....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Zone 2, works, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
kgs., c.l.....lb. .09½- —
l.c.l. .....lb. .10 - —
Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store-door. Zone 2:—Balance of U.S.
Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined)
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .13 - .14

Manganese acetate, dms.....lb. .20½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .21 - .23
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 85-90%, csks., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs., c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.61 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
solut., djns., 1,000 lbs. lots, lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs.....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls....lb. .19 - —
Ore, 50-52%, basis, bbls, c.l. At.l. ports..unit-ton. .40 Nom.
Resinate, fused, 3½%, bbls..lb. .08½- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
crvst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .08½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.50 -26.00
Manna, flake, large, cs.....lb. .36 - .37
small cs.....lb. .21 - .22
Mannitol, pure, cryst., cs., works, lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17½- .18
Tunisan, bls.....lb. .16½- .17
Matico leaves, bls.....lb. .29 - .30
Menthol, U.S.P., natural, cs..lb. 3.20 - 3.30
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs.....lb. 3.25 - —
liquid, dms., 40 lbs...lb. 1.60 - —
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .87 - —
25 lbs.....lb. .89 - —
50%, pails, 50 lbs.....lb. 1.26 - —
25 lbs.....lb. 1.28 - —
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel)
Iodide, red, N.F., bots., 5 lbs., lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib. dms., 100 lbs.....lb. 3.55 - —
Yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib. dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment)
Oxide red, N.F. (see Red precipitate)
Tech. (Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.59 - 1.60
USP, fib. dms.....lb. 2.01 - 2.03
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works...lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
Gold, XX deep, 3⅜x3⅜ in.pkg.14.25 -14.75
3⅜x3⅜ in.....pkg.15.50 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅞ in.....pkg.21.50 -22.00
3⅜x5⅞ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.25 - 2.35
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .46 - —
tanks, frt. alld., E. of Rockies..gal. .40 - —
pure, nat'l or synth., dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt alld or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35¼- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
96%, 2c. less than pure, all zones, frt. alld
97%, 1c. less than pure, all zones, frt. alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J. N. Y., N. C., Ohio, Penn.; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 95%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, nat., dms., c.l., contracts, Zone 1..gal. .42 - —
2.....gal. .45 - —
3.....gal. .46 - —
4.....gal. .48 - —
l.c.l., Zone 1.....gal. .44½- —
2.....gal. .51 - —
3.....gal. .48½- —
4.....gal. .64 - —
tanks, contracts, Zone 1.gal. .36 - —
2.....gal. .38½- —
3.....gal. .39½- —
4.....gal. .40 - —
Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination. Barrel packing, 2½c. per gal. more, in all brackets. The sale zones are: Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2 Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla.,

Lead, Red—Myrobalans

Methyl acetone, Zone 2:—Continued.
S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .52½- —
2, frt. alld. E. of Rockies. gal. .54½- —
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —
2, frt. alld. E. of Rockies. gal. .50½- —
3, Pacific Cst.....gal. .58 - —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .48 - —
2, ft. alld. E. of Rockies. gal. .40½- —
3, Pacific Coast.....gal. .51 - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast.
Alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, cylrs.....lb. .37 - .43
Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 .43
tins .....lb. .42 - .45
Violet toner, bbls. (500 lbs.).lb. .40 - —
smaller lots .....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene, blue, medici., kgs 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Methylene chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks wks.....gal. .70 - —
Methylnropyl carbinol (see Carbinol).
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., frt. alld., E.lb. .04½ —
l.c.l., frt. alld., E....lb. .05 - —
water, bgs., c.l., frt. alld., E..lb. .04¼- —
l.c.l., frt. all., E.....lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. alld., E..lb. .04¼- —
l.c.l., 2,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. alld., E..lb. .05¼- —
rubber, bgs., c.l., frt. alld., E.lb. .03½- —
l.c.l., 2,000 lbs., ft., alld., E..lb. .04- —
smaller lots, frt. alld., E..lb. .04½- —
wet-ground mica prices are ½c. per pound higher on Pacific coast.
Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —
spray, bbls., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Millet seed, bgs.....lb. .03¾- .03¾
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.50 - 2.75
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monochlorobenzene, dms.....lb. .06 - .08½
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms .....lb. .27 - —
tanks .....lb. .25 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Mullein flowers, cns.....lb. .90 - .95
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns.....lb. 4.20 - —
Ketone, cns.....lb. 4.35 - —
Xylol, 100%, cns.....lb. 1.25 - —
Musk root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .03¾ Nom.
California, brown, bgs.....lb. .07½- .08
yellow, bgs .....lb. No stocks
Chinese, yellow, bgs.....lb. .06¼-Nom.
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .08¾- .09¼
Hungarian, yellow, bgs....lb. .07 - .07½
Roumanian, yellow, bgs....lb. .05¾- .06¼
Myrobalans, J1, bgs., shipt..ton.27.00 - —
J, bgs., shipt.....ton.20.25 - —
R2, bgs., shipt.....ton.19.50 - —
Extract, liquid, 25%, bbls....lb. .04¼- .05¼

Naphtha—Paraffin

N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.).
Solvent (see S).
Naphthalene, crude, dom., bgs., works..100 lbs. 2.75 Nom.
import., 74-78% bgs., Atlantic ports..100 lbs. 2.60 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
jobbers, cs., same basis..lb. .07¼- —
pkgs. (16 oz.), same basis..lb. .08 - —
(12 oz.) same basis..pkg. .06½- —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .37½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13¼
single, bbls.....lb. .13 - .13¼
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07½- —
Nitrocellulose, alcohol-soluble, ¼ and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose, ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., contract, c.l., 18,000 lbs. dry weight, works..lb. .22 - —
10,000 lbs.....lb. .25 - —
spot, bbls., works.....lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works.....lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports June..unit-ton. 1.04 Nom.
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis. summer shipt..unit-ton. 3.25 - —
Chemical, Ill...unit-ton. 3.15 - 3.25
East Coast producing points..unit-ton. 3.40 - 3.50
import., bgs., c.i.f. Atlantic ports, ship..unit-ton. 3.35 Nom.
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmt., cs.....lb. .20 - .22
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- .19¾
110s, bgs., cs.....lb. .17½- .18
West Indian, bgs.....lb. .15 - .15½
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06½- .07

O

Oakbark extract, 25% tan., bbls., c. l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¼- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .11 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .08½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde), natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .85 - .90
Amber, crude, cns.....lb. .16 - .17
refd., cns .....lb. .45 - .46
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .72 - .75
Apricot kernel, cns.....lb. .30 - .31
dms. .....lb. .28 - —
Babassu, tanks, futures.....lb. .09 - .09¼
Bay, W. I., cns.....lb. 1.50 - 1.70
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 3.60 - 3.70
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectified, cns.....lb. .65 - .70
Bois de rose, Brazil, cans..lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .68 - .69
USP IX, cns.....lb. .71 - .88
Calamus, cns.....lb. 3.00 - 3.50
Camphor, sassafrassy, cns...lb. .22 - .23
dms. .....lb. .19 - .20
white, cns. .....lb. .21 - .22
dms. .....lb. .18 - .19
Cananga, native, cns.....lb. 1.75 - 2.25
rectified, cns.....lb. 3.00 - 3.25
Capsicum (oleoresin), USP VIII, cns.....lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.10 - 2.25
Cardamom, bots.....lb.20.00 -38.00
Cassia, USP, cns., dms.....lb. 1.00 - 1.05
Castor, blown, one-way dms., c.l...lb. .12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls., c.l.....lb. .10¾- —
l.c.l. .....lb. .11½- —
cns. (1-gal), l.c.l.....lb. .14½- —
dms. (returnable), c.l....lb. .10¼- —
l.c.l. .....lb. .11¼- —
(5-gal.), l.c.l.....lb. .12½- —
tanks .....lb. .10 - —
No. 3, bbls., c.l.....lb. .10¾- —
l.c.l. .....lb. .11 - —
dms. (returnable), c.l....lb. .10 - —
l.c.l. .....lb. .10¾- —
tanks .....lb. .09¾- —
Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .11½- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13 - —
Cedarleaf, cns.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, ens., dms.....lb. .24 - .26
Celery, bots.....lb.10.50 -12.50
Chaulmoogra, USP, cns, 500 lbs..lb. .90 - —
25 lbs.....lb. 1.00 - —
Oil, chinawood, dms., Atlantic Cst..lb. .13¼- .13½
tanks .....lb. .1250- .1300
Cinnamon, Ceylon, bots.....lb. 7.75 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .43 - .44
dms. .....lb. .41 - .42
Java, dms.....lb. .41 - .42
Clove, makers, USP, cns....lb. 1.27 - —
dms. .....lb. 1.25 - —
Coconut, Manila, crude, tanks, lb. .06½- .06⅝
July forward, tanks....lb. .06¼- .06⅝
Pac. Cst.....lb. .05⅞- .06⅛
edible, 76°, tax incl., dms., (returnable), c.l...lb. .12 - —
l.c.l. .....lb. .12½- —
tanks .....lb. .11½- —
Cod, Newfoundland, tanked, bbls..gal. .52 Nom.
Norwegian, shipt. bbls....gal. .41 - .43
Codliver, med., USP, Norwegian, bbls..bbl.25.00 -27.00
for feed purposes, not USP, dms..gal. .50 - .65
Coriander, bots.....lb.19.00 -20.00
Corn, crude, tanks, works...lb. .06⅞ Nom.
refd., bbls.....lb. .12 - .12½
Cottonseed, dom., cooking, bbls. lb. .11 - —
salad, bbls.....lb. .11¼- —
import., Brazilian semi-refd., dms..lb. .0640 Nom.
British, semi-refd., dms..lb. .07¼Nom.
Cresote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -10.00
Cypress, dom., bots.....lb. 5.25 - 6.30
import., cns.....lb.12.00 -12.25
Degras (see D)
Diesel, Bayonne, bulk.....bbl. 2.10 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots.....lb. 6.00 - 5.50
Dip (See D):—
Erigeron, cns.....lb. 1.45 - 1.55
Eucalyptus, cns.....lb. .46 - .54
dms. .....lb. .44 - .51
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. 1.00 - 1.05
Louisiana - Arkansas, 10-14, bbl. .65 - .75
N. Y. and N. J. terminals:—
Monday .....bbl. 1.35 - 1.50
Tuesday .....bbl. 1.35 - 1.50
Wednesday .....bbl. 1.35 - 1.50
Thursday .....bbl. 1.35 - 1.50
Friday .....bbl. 1.35 - 1.50
Saturday .....bbl. 1.35 - 1.50
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test..bbl. .95 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test...bbl. 1.10 - 1.15
24-28, 15 and above...bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04⅝- .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .04¾- .05
2, bulk, same basis.....gal. .04½- .04¾
3, bulk, same basis.....gal. .04½- .04¾
4, bulk, same basis.....gal. .04¼- .04¾
Louisiana - Arkansas, 32-36, light straw.....gal. .03⅞- .04
Oklahoma, 28-30.....gal. .03⅝- .03⅞
32-36 .....gal. .03½- .03⅝
36-38 .....gal. .03⅝- .03⅞
38-40, straw.....gal. .03⅞- .04
38-40 zero, 60 e.p.....gal. .03⅞- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .03¼- .03⅝
North Texas, bulk.....gal. .02¾- .03
Oklahoma, bulk.....gal. .02¾- .03¼
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 4.75 - 5.25
Bourbon, cns.....lb. 4.00 - 4.50
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.90 - 2.00
Ginger, dist., bots.....lb. 8.00 - 8.50
Guaiac wood, concrete, bots.lb. 3.10 - 3.15
Haarlem, dom., bots.....gross 3.25 - 3.35
import, bots.....gross 3.40 - 3.50
Halibut-liver, dms..... 1,000 A unit-gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns.....lb. 1.25 - 1.75
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms..lb. .50 nom.
cns. .....lb. .55 - —
Lard, common, 1, bbls.....lb. .12¾- —
2, bbls.....lb. .12 - —
extra, bbls.....lb. .13 - —
1, bbls.....lb. .12½- —
headlight, burning, bbls....lb. .14¼- —
prime, ed., bbls.....lb. .14⅜- —
ined., bbls.....lb. .14¼- —
winter, strained, extra bbls., lb. .13¼- —
prime, bbls.....lb. .13½- —
Lavandin, cns., 25 lbs.....lb. 2.70 - —
Lavender flower, French, USP, 50% ester, cns...lb. 6.00 - 7.50
U.S.P., 38-42% ester, cns.lb. 5.25 - 6.00
XI, 35% ester, cns....lb. 4.00 - 4.50
XI, 30% ester, cns....lb. 2.80 - 3.00
IX, 30% ester, cns...lb. 2.65 - 2.75
VIII, 30% ester, cns....lb. 2.25 - 2.35
Garden, cns .....lb. .42 - .45
Spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.60 - —
Messina, coppers, cns.....lb. 3.15 - 3.50
Lemongrass, native, cns., dms. lb. .50 - .52
Lime, dist., cns.....lb. 6.10 - 6.50
expressed, cans.....lb. 9.50 -10.25
Linaloe wood, cns.....lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l....lb. .1170- —
l.c.l., 5 or more.....lb. .1210- —
less than 5.....lb. .1250- .1270
tanks .....lb. .1110- —
double boiled, bbls., less than 5..lbs. .1270- .1290
raw, bbls., c.l.....lb. .1130- —
l.c.l., 5 or more.....lb. .1170- —
less than 5.....lb. .1210- —
tanks .....lb. .1070- —
Lovage, bots.....lb.41.25 -72.00
Lubricating, at refinery (including U.S. tax 4c.per gal.):—
California, green, 70 vis., tanks..gal. .21½- —
80, 100 vis., tanks...gal. .24½- —
115, 125 vis., tanks...gal. .26½- —
green, pale, 750, 900 vis., tanks..gal. .21½- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks..gal. .21½- —
pale, red, 100, 140, 1,000 vis., tanks..gal. .21½- —
pale, 75, 175 vis..tanks.gal. .21½- —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks..gal. .22 - —
15-25 pour, tanks..gal. .21½- —
150-160 D, 0-10 pour tanks..gal. .24 - —
15-25 pour, tanks..gal. .23½- —
150-160 E, 15-25 pour, tanks..gal. .25 - —
190-200 D, 15-25 pour, tanks..gal. .27 - —
200-210 E, 15-25 pour, tanks..gal. .26 - —
Oil, lubricating, at refinery, Oklahoma neutrals, 0-10 pour, 150 vis., 3 color, tanks, gal. .18 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16¼- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penna., bright, 600 cold test, 10-40 pour, tanks..gal. .29 - —
10-15 pour, tanks..gal. .30 - —
cylinder, 600 fire, tanks, gal. .21½- —
600 flash, tanks.....gal. .24 - —
630 flash, tanks.....gal. .28½- —
635 fire, tanks.....gal. .22 - —
650 fire, tanks.....gal. .23 - —
Warren, E, amber, tanks, gal. .23½- —
neutral, 150 vis...3 color, tanks..gal. .27 - —
180 vis.,3 color,tanks.gal. .31 - —
200 vis.,2 color,tanks.gal. .31½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .34 - —
unfiltered, 600 s.r., bbls., f.a.s.gal. .28 - —
600 flash, s.r., bbls., c.l., gal. .32½- —
650 s.r., bbls., c.l., f.a.s., gal. .29 - —
Warren, E. bbls., c.l.,f.a.s. gal. .31 - —
smaller lots, f.o.b.gal. .33½- —
Mace, dist., cns., dms.....lb. 1.40 - 1.42
Menhaden, crude, tanks, f.o.b. Balto..gal. .45 Nom.
refd., alkali, dms.....lb. .1000- —
tanks .....lb. .0900- —
blown, dms.....lb. .0980- —
kettle-bodied, dms.....lb. .1100- —
light pressed, dms.....lb. .0940- —
tanks .....lb. .0840- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., cns...lb. 1.85 - 1.90
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .90 - .95
Neatsfoot, cold test, bbls....lb. .18¼- —
extra, bbls.....lb. .12¾- —
1, bbls.....lb. .12½- —
pure, bbls.....lb. .13½- —
special, bbls.....lb. .13¼- —
sulphonated, common, 25% moisture, dms...lb. .10¼- —
Neroli, bots .....lb.50.00 -130.00
Nutmeg, USP, cns., dms...lb. 1.40 - 1.42
Oiticica, dms.....lb. .11¼- .11½
futures .....lb. .11¼Nom.
Oleo, 1, bbls.....lb. .12¾- —
2, bbls. .....lb. .11¾- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.50 Nom.
edible, bbls.....gal. 2.40 Nom.
foots, bbls.....lb. .11¼Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .12 - —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .15½- —
l.c.l. .....lb. .16 - —
80% (68% fat), dms., c.l..lb. .16½- —
l.c.l. .....lb. .17 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.90 - 2.00
Calif., cns.....lb. 2.50 - —
Florida, cns.....lb. 2.50 - 2.65
Messina, USP, coppers.lb. 2.70 - 3.00
West India, cns.....lb. 2.25 - 2.30
Origanum, Spanish, cns.....lb. .90 - 1.00
Orris, Florentine, concrete, extra strong, bots..oz. 5.00 - 5.50
Palm, Niger, cks.....lb. .05⅝ Nom.
shipment .....lb. .04¾ Nom.
softs, 12½, bulk, shipt....lb. .0470- —
20%, bulk, shipt.....lb. .0460- —
Sumatra, shipment, bulk...lb. .05 Nom.
Palmarosa, cns.....lb. 3.10 - 3.20
Palmkernel, bulk, shipt.....lb. .05¾- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls. extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 5..gal. .05¾- —
Patchouli, bots, cns.....lb. 5.00 - 8.50
Peanut, crude, dom., tanks, works..lb. .09½ Nom.
refd., edible,bbls.....lb. .13 Nom.
Pennyroyal, dom., cns.....lb. 1.55 - 1.60
import, cns.....lb. 1.40 - 1.45
Peppermint, natural, cns., dms. lb. 2.40 - 2.50
redist., USP, cns., dms....lb. 2.70 - 2.80
Perilla, dms.....lb. .11¼- .11½
tanks .....lb. .1060- .1080
Petitgrain, Paraguay, cns...lb. 1.10 - 1.25
Pimento berry, cns.....lb. 4.00 - 4.25
leaf, cns.....lb. 2.50 - 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .52 - .55
steam-dist., dms.....gal. .69 - —
tanks .....gal. .64 - —
Pineneedle, Siberian, cns....lb. .90 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14 - .14¼
denat., bbls.....gal. .95 - —
Red, dist. or saponif., bbls., dlvd..lb. .11⅝- .12⅜
dms., dlvd.....lb. .11½- .12½
tanks, dlvd.....lb. .10¾- —
white, dms.....lb. .13½- .14½
Rose, artif., bots.....oz. 2.00 - 3.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .60 - .65
dms. .....lb. .55 - .60
Rosin, 1st, rectfd., dms....gal. .58 - .60
2d rectfd., dms.....gal. .60 - .62
3d rectfd., dms.....gal. .64 - .66
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.65 - 1.70
Sandalwood, Australia, cns..lb. 4.50 - 5.00
E.I., USP, cns.....lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst., gal. .52 Nom.
refd., alkali, dms.....lb. .1000- —
tanks .....lb. .0900- —
kettle-bodied, dms.....lb. .1100- —
light, pressed, dms.....lb. .0940- —
tanks .....lb. .0840- —
Sassafras, artif., cns.....lb. .41 - .42
dms. .....lb. .39 - .40
natural, cns., dms.....lb. .90 - 1.05
Savin, cns .....lb. 1.50 - 1.60
Savory, cns .....lb. 3.15 - 3.20
Sesame, dom., refd., white, dms. lb. .12 Nom.
Single stain, bbls., c.l., works, gal. .17½- —
l.c.l., works .....gal. .20 - —
tanks, works.....gal. .14½- —
Oil, snakeroot, Canada, cns....lb.10.00 -11.00
Soybean, dom., crude, dms..lb. .1110- .1150
tanks .....lb. .1050- —
refd., dms.....lb. .1210- .1250
tanks .....lb. .1150- .1190
Spearmint, USP, cns.....lb. 1.90 - 2.00
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms.....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cans.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 3.60 - 3.75
South, cns .....lb. 1.65 - 2.00
Tallow, acidless, bbls.....lb. .12½- —
tanks .....lb. .12 - —
Tansy, cns.....lb. 3.50 - 3.75
Tar, commi., dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T)
Teaseed, crude, dms.....lb. .09¾- .10
refined, dms.....lb. .12¾- .13
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms.....lb. .80 - 1.35
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T)
Turtle, cns.....gal. 4.25 - 5.00
Valerian, bots.....lb.12.00 -14.00
Vetiver, bots.....lb. 9.00 -16.50
Walnut, crude, dms.....lb. .13 Nom.
refd., dms. .....lb. .14 Nom.
Whale, refd., natural, dms...lb. .1050- .1070
winter, bleach, dms.....lb. .1090- .1110
Wheat germ, cns., dms....gal.27.50 -30.00
White mineral, dom., tech., 50-60 vis., dms.....gal. .42 - .44
65-75 vis., dms.....gal. .44 - .46
80-90 vis., dms.....gal. .45 - .47
U.S.P., 80-90 vis., dms.gal. .54 - .56
90-105 vis., dms.....gal. .63 - .65
125-135 vis., dms.....gal. .75½- .77½
140-150 vis., dms.....gal. .76½- .78½
175-185 vis., dms.....gal. .78½- .80¼
200-210 vis., dms.....gal. .80 - .82
320-330 vis., dms.....gal. .85½- .87½
335-345 vis., dms.....gal. .87 - .89
Russian, 80-90 vis., dms. gal. .54- —
145-155 vis., dms.....gal. .74½- —
175-185 vis., dms.....gal. .76½- —
335-345 vis., dms.....gal. .85 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.80 - 2.90
Wormwood, cns.....lb. 3.00 - 3.25
Ylang-ylang, Bourb., bots., cns. lb. 3.50 - 6.00
Manila, bots.....lb.18.00 -24.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, chrome (see Yellow, chrome).
Lake, Persian, bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .11¾- —
Ariz., Idaho, Nev.,Utah and E. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Colo., Mont., N.M.,Wyo. lb. .12 - —
Other points .....lb. .11¼- —
smaller lots, dlvd. Ala., etc..lb. .12¼- —
Ariz., etc. .....lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points .....lb. .12 - —
French, Tours, csks., ex dock..lb. .17 - —
kgs., ex dock.....lb. .18½- —
Molybdate, bbls.....lb. .31 - —
Peel, bitter, bls.....lb. .09 - .09
Sweet, bls.....lb. .10 - .11
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .40
Orris root, Florentine, bgs....lb. .08 - .09
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .08 - .09
powd., bxs, cs.....lb. .11 - .12
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .35 - .75
Orthocresol, dms., c.l., works..lb. .13¼- —
l.c.l., same basis.....lb. .14½- —
Orthodichlorobenzene, dms, c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., dms., same basis...lb. .07 - —
100 lb. tins, same basis.lb. .08 - —
50 lb. tins, same basis.....lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Othonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .28 - .29
Orthonitroparachlorophenol,cns.lb. .70 - .75
Orthonitrotoluene, dms.....lb. .07 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .14 - —
Osage orange extract, cryst.,bbls. lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 1.10 - 1.15
Paprika, Hungarian, extra fancy, bgs...lb. .21½- .22
medium, bgs.....lb. .20½- .21
Spanish, extra fancy, cs.....lb. .31 - .32
fair, bgs.....lb. .25 - .26
fancy, bgs.....lb. .29 - .30
medium, bgs.....lb. .27 - .27½
Para-aminoacetanilide, kgs....lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l.,works..lb. .26 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, rfd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms.....lb. .16 - .20
kgs .....lb. .18 - .25
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy...lb. .02½ Nom.
bbls., c.l., N.Y.....lb. .0270- —
124-126 A.m.p., bgs., c.l., Okla., refy...lb. .02¾ Nom.
bbls., c.l., N. Y.....lb. .0275- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y...lb. .02⅝ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0445- —
export, f.a.s., N. Y...lb. .0440- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s., N. Y...lb. .0450- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s., N. Y...lb. .0475- —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y...lb. .0490- —
133-135 A.m.p., bgs., c.l..lb. .0555- —
export, f.a.s., N. Y...lb. .0550- —
135-137 A.m.p., bgs., c.l..lb. .0580- —
export, f.a.s., N. Y...lb. .0575- —

Paraffin, fully refd., slabs, 138-140 A.m.p., bgs., c.l.	lb.	.0635-	—
143-145 A.m.p., bgs., c.l.	lb.	.0790-	—
refined paraffin prices in cases are ½c. lb. higher than bags price.			
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03¼-	—
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.02¾-	Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 -	—
100 to 900 lb. shipments, same basis	lb.	.35 -	—
Paraldehyde, tech., dms., wks.	lb.	.16 -	.18
USP, cbys	lb.	.37 -	.45
Paranitroaniln, kgs., c.l., works.	lb.	.45 -	—
l.c.l., works	lb.	.47 -	—
Paranitrochlorobenzene, kgs.	lb.	.23½-	.24
Paranitrophenol, kgs.	lb.	.35 -	.37
Paranitrotoluene, kgs.	lb.	.35 -	—
Paraphenylenediamine, c.	bbls.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	.75
Paratoluidin, bbls.	lb.	.56 -	—
Pareira brava root, bls.	lb.	.14 -	.15
Paris green, dealer, dms., c.l., f.o.b. N. Y., frt. all'd E. of Cleve.	lb.	.22 -	.24
1,000 lbs. and up, same basis,	lb.	.23 -	.25
less than 1,000 lbs., same basis	lb.	.24 -	.26
Passion flower herb, bls.	lb.	.06½-	.07
Patchouli leaves, bls.	lb.	.15 -	.16
Pellitory root, bls.	lb.	.16 -	.17
Pennyroyal, bls.	lb.	.13 -	.14
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.12½-	—
l.c.l., G.3	gal.	.16 -	—
tanks, G.3	gal.	.09½-	—
30-40°, dms., l.c.l., 250 gals., W. Va. shipping points.	gal.	.40 -	—
laboratory grade, dms., c.l., G.3.	gal.	.16 -	—
l.c.l., G.3	gal.	.25 -	—
Pepper, black, Alleppy, bgs.	lb.	.10 -	.10½
Lampong, bgs.	lb.	.06 -	.06½
Tellicherry, bgs.	lb.	.10½-	.11
Red, birdseye, bgs.	lb.	.14¾-	.15¼
new crop	lb.	No stocks.	
Japanese 1, bgs.	lb.	.12¾-	.13¾
Mombassa, bgs.	lb.	.17 -	.17½
White, Java, Muntok, bgs.	lb.	.10 -	.10½
Singapore, Muntok, bgs.	lb.	.09¾-	.10
Peppermint leaves, dom., bls.	lb.	.25 -	.26
import, bls.		.35 -	.40
Peru balsam, dms.	lb.	1.05 -	1.10
Petrolatum, amber, bbls., c.l.,	lb.	.02¾-	.03
l.c.l.	lb.	.04 -	.04¼
extra, bbls.	lb.	.03½-	.03¾
l.c.l.	lb.	.04¼-	.04½
cream (see white, cream)			
green (see red)			
red, veterinary, bbls., c.l.	lb.	.02¾-	.02¾
l.c.l.	lb.	.03¾-	—
white, cream, bbls., c.l.	lb.	.05 -	.05¼
l.c.l.	lb.	.06¾-	—
lily, bbls., c.l.	lb.	.06 -	.06¼
l.c.l.	lb.	.07¾-	—
snow, bbls., c.l.	lb.	.07 -	.07¼
l.c.l.	lb.	.08¾-	—
Petroleum, crude, bulk, at wells:—			
California:—			
Alamitos Heights	bbl.	.74 -	.96
Athens	bbl.	.84 -	1.66
Belridge	bbl.	.70 -	1.32
Buena Vista Hills	bbl.	.70 -	1.38
Coalinga	bbl.	.70 -	.90
Coyote Hills (West)	bbl.	.78 -	1.32
Dominguez	bbl.	.79 -	1.00
East Coyote	bbl.	.76 -	.96
Elk Hills	bbl.	.70 -	1.88
Elwood Terrace, f.o.b. ship.,	bbl.	1.28 -	1.43
Huntington Beach	bbl.	.78 -	1.22
Inglewood	bbl.	.79 -	1.27
Kern Front	bbl.	.70 -	—
Kern River	bbls.	.70 -	—
Kettleman Hills	bbl.	1.19 -	1.43
La Habra	bbl.	.76 -	.96
Lakeview	bbl.	.70 -	1.38
Lost Hills	bbl.	.70 -	1.32
McKittrick	bbl.	.70 -	—
Midway - Sunset (except Lakeview)	bbl.	.70 -	1.38
Montebello	bbl.	.77 -	1.43
Mt. Poso	bbl.	.70 -	—
Mountain View	bbl.	.70 -	1.20
Newhall	bbl.	.70 -	—
Olinda Brea	bbl.	.76 -	1.27
Orcutt	bbl.	.70 -	.83
Playa del Rey, f.o.b. pipeline	bbl.	.80 -	1.16
Richfield	bbl.	.76 -	1.09
Rosecrans	bbl.	.84 -	1.66
Round Mt.	bbl.	.70 -	—
Santa Fe Springs	bbl.	.78 -	1.42
Santa Paula	bbl.	.70 -	1.01
Seal Beach	bbl.	.79 -	1.19
Signal Hill	bbl.	.80 -	1.21
Torrence	bbl.	.80 -	1.05
Wheeler Ridge	bbl.	.70 -	.86
Whittier	bbl.	.76 -	.96
Canada:—			
Oil Springs	bbl.	2.17 -	—
Petrolia	bbl.	2.10 -	—
Central West:—			
Illinois	bbl.	1.35 -	—
Lima	bbl.	1.25 -	—
Midland (Mich.)	bbl.	1.42 -	—
Princeton	bbl.	1.35 -	—
East Texas	bbl.	1.35 -	—
Gulf Coast:—			
Barber's Hill	bbl.	.95 -	1.41
Batson	bbl.	.95 -	1.41
Dayton	bbl.	.95 -	1.41
Esperson	bbl.	.95 -	1.41
Goose Creek	bbl.	.95 -	1.41
Hull	bbl.	.95 -	1.41
Humble	bbl.	.90 -	1.41
Liberty	bbl.	.90 -	1.41
Markham	bbl.	.90 -	1.29
Orange	bbl.	.95 -	1.41
Pettus	bbl.	1.37 -	—
Pierce Junction	bbl.	.95 -	1.41
Refugio	bbl.	.95 -	1.41
Saratoga	bbl.	.95 -	1.41
Saxet	bbl.	.90 -	1.41
Sour Lake	bbl.	.90 -	1.41
Spindle Top	bbl.	.95 -	1.41
Sugarland	bbl.	.95 -	1.41
West Columbia	bbl.	.95 -	1.41
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.42 -	—
Kentucky river	bbl.	1.50 -	—
Western Kentucky (Owensboro)	bbl.	1.40 -	—
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.90 -	1.22
Caddo	bbl.	.90 -	1.22
Cameron Meadows	bbl.	.90 -	1.30
Choctaw	bbl.	.90 -	1.30
Cotton Valley	bbl.	.90 -	1.22
Darrow	bbl.	.90 -	1.30
De Soto	bbl.	.90 -	1.22
El Dorado	bbl.	.90 -	1.22
Haynesville	bbl.	.90 -	1.22
Homer	bbl.	.90 -	1.22
Iowa	bbl.	.90 -	1.30
Lockport	bbl.	.90 -	1.30
Miller County	bbl.	.90 -	1.22
Pine Island	bbl.	.90 -	1.22
Rainbow	bbl.	.90 -	1.22
Rodessa	bbl.	.90 -	1.22
Smackover	bbl.	.90 -	—
Tepetate	bbl.	1.24 -	—
Urania	bbl.	1.02 -	—
Mexico, f.o.b. terminals Mexican ports—based on contract:—			
Panuco	bbl.	1.05 -	—
Tax, 13.866c. per bbl.			

Petroleum, crude, bulk, at wells		No Prices.	
Tuxpan	bbl.		
Tax, 22.625c. per bbl.			
Midcontinent:—			
North Texas	bbl.	.96 -	1.20
Oklahoma-Kansas	bbl.	.98 -	1.30
Altus, Tipton (Okla.),	bbl.	.96 -	1.20
Pennsylvania, Ohio, West Virginia:—			
Bradford-Allegany	bbl.	2.67 -	—
Corning	bbl.	1.42 -	—
Pennsylvania grade, in Buckeye lines.	bbl.	2.22 -	—
Eureka lines	bbl.	2.37 -	—
S.W. Penn lines	bbl.	2.42 -	—
lower district in National Transit lines.	bbl.	2.62 -	2.67
Rocky Mountain:—			
Big Muddy	bbl.	1.18 -	1.22
Cannon City-Florence	bbl.	1.10 -	—
Cat Creek	bbl.	1.40 -	—
Dutton Creek	bbl.	1.06 -	1.30
Elk Basin	bbl.	1.30 -	—
Fort Collins-Wellington	bbl.	1.01 -	1.25
Frannie, light	bbl.	.82 -	—
Grass Creek	bbl.	1.30 -	—
Greybull	bbl.	1.30 -	—
Iles	bbl.	1.12 -	1.18
Lance Creek	bbl.	.97 -	—
Midway	bbl.	1.06 -	1.30
Rock Creek	bbl.	1.20½-	—
Salt Creek	bbl.	1.06 -	1.30
Sunburst	bbl.	1.20 -	—
Torchlight	bbl.	1.30 -	—
South, Central and Southwestern Texas:—			
Cass County	bbl.	.99 -	1.25
Cleveland-Liberty	bbl.	1.27 -	—
Conroe	bbl.	1.20 -	1.44
Darst Creek	bbl.	1.09 -	—
Duval	bbl.	1.00 -	—
Hardin-Liberty	bbl.	1.15 -	—
Luling	bbl.	1.00 -	—
Lytton Springs	bbl.	1.12 -	—
Mirando	bbl.	.90 -	1.36
Panola County	bbl.	.93 -	1.25
Salt Flat	bbl.	1.09 -	—
Tomball	bbl.	1.20 -	1.44
Van	bbl.	1.10 -	—
Texas Panhandle:—			
Carson-Hutchinson counties,	bbl.	.91 -	1.03
Gray County	bbl.	.96 -	1.08
West Texas:—			
Artesia, N. M.	bbl.	.90 -	—
Crane	bbl.	.78 -	1.08
Crockett	bbl.	.78 -	1.08
Ector	bbl.	.78 -	1.08
Glasscock	bbl.	.78 -	1.08
Hogback	bbl.	1.33 -	—
Howard	bbl.	.78 -	1.08
Jackson, N. M.	bbl.	.90 -	—
Lea, N. M.	bbl.	.78 -	1.08
Maljamar, N. M.	bbl.	.90 -	—
Mitchell	bbl.	.78 -	1.08
Pecos	bbl.	.91 -	—
Upton	bbl.	.78 -	1.08
Winkler	bbl.	.78 -	1.08
Ether, 28-38°, dms., l.c.l., 250 gals., W. Va. shipping points.	gal.	.40 -	—
30-60°, dms., c.l., G.3.	gal.	.15 -	—
l.c.l., G.3	gal.	.17 -	—
250 gals., W. Va. shipping points.	gal.	.40 -	—
tanks, G.3	gal.	.13 -	—
30-80°, dms., l.c.l., 250 gals., W. Va. shipping points.	gal.	.40 -	—
40-60°, dms., l.c.l., 250 gals., W. Va. shipping points.	gal.	.40 -	—
55-60°, dms., l.c.l., G.3.	gal.	.35 -	—
40-75°, dms., c.l., G.3.	gal.	.15 -	—
l.c.l., G.3	gal.	.16 -	—
tanks, G3.	gal.	.13 -	—
60-75°, dms., l.c.l., 250 gals., W. Va. shipping points.	gal.	.40 -	—
laboratory grade, dms., c.l., G.3.	gal.	.16 -	—
c.l., G.3	gal.	.25 -	—
10-gal. lots, G.3	gal.	.50 -	—
Lacquer, diluent, at refinery:— California 60,160 l.b.p., 253 e.p., tanks, delvd. Los Angeles.	gal.	.11 -	—
San Francisco.	gal.	.11½-	—
f.o.b. Richmond.	gal.	.11½-	—
Willbridge, Ore.; Pt. Wells, Wash.	gal.	.12 -	—
East Coast, tanks.	gal.	.12 -	.12½
Group 3, tanks.	gal.	.08¾-	.08¾
Naphtha, cleaners, at refinery:— East Coast, tanks.	gal.	.10 -	—
Group 3, tanks.	gal.	.07¾-	.07¾
tankwagon, Boston, ex-tax,	gal.	.13 -	—
Chicago, inc. 4c. tax.	gal.	.171 -	—
Decatur, inc. 4c. tax.	gal.	.19½-	—
Des Moines, inc.4c.tax.	gal.	.193 -	—
Evansville, ind., ex tax.	gal.	.146 -	.156
Milwaukee, inc. 5c. tax,	gal.	.208 -	—
Minneapolis-St. Paul, inc. 4c. tax.	gal.	.190 -	—
Newark, ex tax.	gal.	.12 -	—
New York, ex tax.	gal.	.12 -	—
Omaha, ex tax.	gal.	.149 -	.159
Oklahoma City, ex tax.	gal.	.15 -	.16
Philadelphia, ex tax.	gal.	.11¼-	—
St. Louis, inc. 3c. tax.	gal.	.162 -	—
Syracuse, 150 gals.	gal.	.14 -	—
smaller lots, galv. drums.	gal.	.16 -	—
milk cans	gal.	.21 -	—
Tulsa, ex tax.	gal.	.15 -	.16
high solvency, aromatic, 8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J.	gal.	.17 -	—
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt.	gal.	.16¼-	—
30, same basis.	gal.	.18¼-	.19
40, same basis.	gal.	.14½-	.15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equaled nearest comp. pt.	gal.	.16 -	—
2, same basis.	gal.	.18 -	—
3, same basis.	gal.	.16 -	—
4, same basis.	gal.	.18 -	—
V.m. & p., at refinery:— California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 -	—
Richmond	gal.	.11¼-	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 -	—
54-57, 190 l.b.p., 310 e.p. tanks, delvd. Los Angeles.	gal.	.10 -	—
San Francisco.	gal.	.10¼-	—
Portland, Seattle.	gal.	.11 -	—
East Coast, tanks.	gal.	.11 -	—
Group 3, tanks.	gal.	.07¾-	.07¾
tankwagon, Boston, ex tax.	gal.	.13 -	.14
Chicago, inc. 4c. tax.	gal.	.181 -	—
Decatur, inc. 4c. tax.	gal.	.195 -	—
Des Moines, inc.4c.tax.	gal.	.193 -	—
Evansville, Ind., ex tax.	gal.	.146 -	.161
Milwaukee, inc. 5c.tax.	gal.	.208 -	—
Minneapolis-St. Paul, inc. 4c. tax.	gal.	.199 -	—
Newark, ex tax.	gal.	.12½-	—
New York, ex tax.	gal.	.12½-	—
Omaha, ex tax.	gal.	.149 -	.159
Philadelphia, ex tax.	gal.	.13 -	—
St. Louis, inc. 3c. tax.	gal.	.162 -	—
solvent, rubber, at refinery, East Coast, tanks.	gal.	.10 -	—
Group 3, light, 120 l.b.p., 250 e.p., tanks.	gal.	.07¾-	.07¾

Petroleum, solvent, rubber, at refinery, Group 3, standard, 180 l.b.p., 288 e.p., tanks,	gal.	.07¾-	.07¾
Stoddard (CS 3-28), at refinery:—			
East Coast, tanks.	gal.	.10 -	—
Group 3, tanks.	gal.	.06¾-	.07¾
tankwagon, Boston, ex tax.	gal.	.12½-	.13½
Chicago, inc. 4c. tax.	gal.	.166 -	—
Decatur, inc. 4c. tax.	gal.	.185 -	—
Des Moines, inc. 4c.tax.	gal.	.188 -	—
Evansville, Ind., ex tax.	gal.	.139 -	—
Milwaukee, inc. 5c. tax,	gal.	.198 -	—
Minneapolis-St. Paul, inc. 4c. tax.	gal.	.17 -	—
Newark, ex tax.	gal.	.11½-	—
New Orleans, ex tax.	gal.	.11 -	—
New York, ex tax.	gal.	.11½-	—
Oklahoma City, ex tax.	gal.	.12 -	.13
Omaha	gal.	.139 -	.149
Philadelphia, ex tax.	gal.	.11¼-	—
St. Louis, inc. 3c. tax.	gal.	.146 -	—
Tulsa, ex tax.	gal.	.10 -	.11
Thinner, at refinery:—			
California, 34, 325 l.b.p., 360 e.p., low anilin, tanks f.o.b. Los Angeles.	gal.	.14 -	—
Portland, Ore.	gal.	.15 -	—
Richmond	gal.	.13½-	—
Seattle, Wash.	gal.	.15½-	—
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore.	gal.	.10½-	—
Richmond	gal.	.10 -	—
Southern Calif.	gal.	.09½-	—
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo.	gal.	.11 -	—
Portland, Ore.	gal.	.12 -	—
Richmond	gal.	.11½-	—
Seattle, Wash.	gal.	.12 -	—
East Coast, 43-47, tanks.	gal.	.10 -	—
47-49, tanks.	gal.	.10 -	—
Group 3, tanks.	gal.	.06¾-	.06¾
Pennsylvania, tanks.	gal.	.07¼-	—
tankwagon, tax included:—			
Albany	gal.	.13 -	—
Baltimore (100 gals.).	gal.	.12½-	.15½
25-99 gals.	gal.	.13½-	.15½
Boston	gal.	.12½-	.13½
Bridgeport, Conn.	gal.	.13 -	—
Buffalo	gal.	.12½-	—
Camden, N. J.	gal.	.115 -	.135
Chicago	gal.	.178 -	—
Decatur, Ill.	gal.	.185 -	—
Des Moines	gal.	.180 -	—
Evansville, Ind.	gal.	.139 -	.149
Milwaukee	gal.	.198 -	—
Minneapolis-St. Paul.	gal.	.180 -	—
Newark	gal.	.11½-	.13½
New York (200 gals.).	gal.	.11½-	—
smaller lots.	gal.	.12 -	—
Omaha	gal.	.109 -	.149
Philadelphia	gal.	.115 -	.135
Pittsburgh	gal.	.12 -	.14
Providence	gal.	.12½-	.13½
Rochester	gal.	.12 -	.16
St. Louis	gal.	.132 -	—
Syracuse	gal.	.13 -	.15
Trenton	gal.	.12 -	.14
Wilmington, Del.	gal.	.11½-	.13½
Phenobarbital, bots., 5 lbs. bots. or cns., spot or contract, 100 lbs.	lb.	4.85 -	—
cns., 25 lbs.	lb.	4.50 -	—
Phenol, USP, dms., c.l., works, frt. equald.	lb.	4.75 -	—
l.c.l., same basis.	lb.	.13¼-	.14¼
tanks, works.	lb.	.14 -	.15
tins, c.l., same basis.	lb.	.12¾-	—
l.c.l., same basis.	lb.	.14½-	.15¼
Phenolphthalein, USP, bbls.,dms. 2,000-lb. lots.	lb.	.15 -	.16
bbls., dms., kegs, 100-250 lbs.	lb.	.85 -	—
yellow, fib., dms., 2,000-lb. lots.	lb.	.87 -	.89
100-lb. fib. dms.	lb.	.80 -	—
25-lb. dms.	lb.	.82 -	—
50-lb. kgs.	lb.	.87 -	—
Phenyl chloride, dms.	lb.	.84 -	—
Phenylacetadehyde, bots.	lb.	.17 -	—
Phenylhydrazin hydrochloride, CP, bots., works.	lb.	2.25 -	3.50
commercial, kgs., works.	lb.	3.30 -	5.10
pure, bots., works.	lb.	3.30 -	6.50
Phloroglucinol, CP, tins, works.	lb.	2.95 -	3.25
tech., tins, works.	lb.	20.00 -	22.00
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines.	long ton.	15.00 -	16.50
land pebble, 68% min., bulk, mines.	long ton.	4.35 -	—
70% min., bulk, mines.	long ton.	1.85 -	—
72% min., bulk, mines.	long ton.	2.35 -	—
75% basis, 74% min., bulk, mines.	long ton.	2.85 -	—
Tenn., 72%, bulk, mines.	long ton.	3.85 -	—
75%, bulk, mines.	long ton.	4.50 -	—
Phosphorus, red, cs.	lb.	5.50 -	—
Yellow, cs.	lb.	.40 -	.44
Oxychloride, cyls.	lb.	.24 -	.30
Sesquisulphide, cs.	lb.	.15 -	.18
Trichloride, cyls.	lb.	.38 -	.42
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R.	lb.	.15 -	.18
l.c.l., same basis.	lb.	.14½-	—
Picric acid, bbls., 300 lbs.	lb.	.15½-	—
Picric leaves, bgs.	lb.	.08 -	.10
Pilocarpine hydrochloride, bots., vls.	oz.	2.50 -	2.75
Nitrate, bots., vls.	oz.	2.40 -	2.65
Pimento, bgs.	lb.	.12½-	.13
Pinkroot, bls.	lb.	.40 -	.45
Pitch Burgundy (see B)			
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 -	—
l.c.l.	ton.	22.00 -	—
Hardwood, 1-time, dm., c.l., dlvd. Akron.	ton.	21.50 -	22.50
f.o.b. works	ton.	16.00 -	—
Linseed, dms.	lb.	.04¾-	.05¼
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, bbls.	bbl.	6.00 -	6.50
Plaster of paris (see Gypsum).			
Pleurisy root, bls.	lb.	.12 -	.18
Podophyllin, fib., dms., 100 lbs.,	lb.	3.60 -	—
cns., 25 lbs.	lb.	3.85 -	—
Poke root, bls.	lb.	.06½-	.07
Pomegranate bark, bgs.	lb.	.18 -	.19
Root bark, bgs.	lb.	.40 -	.41
Poppy flowers, red, bls.	lb.	.35 -	.40
Seed, Dutch, bgs.	lb.	.07¼-	.07½
Polish, bgs.	lb.	.07¼-	.07½
Potash acetate, USP, fib., dms., 350 lbs.	lb.	.28 -	—
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 -	—
demj., 50 lbs.	lb.	.12 -	—
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.18 -	—
kgs., 100 lbs.	lb.	.20 -	—
gran., bbls., 250 lbs.	lb.	.18 -	—
kgs., 100 lbs.	lb.	.20 -	—
Bichromate, spot, c.l., works.,	lb.	.08¾-	—
6 casks or 10 bbls., or over, works.	lb.	.08¾-	—
3 casks or 9 bbls. or less, works.	lb.	.09 -	—
Binoxalate, dms.	lb.	.23 -	—
Bisulphate, kgs.	lb.	.15½-	.18
Bromide, U.S.P., gran., bbls., 500 lbs.	lb.	.31 -	—
fib., dms., 100 lbs.	lb.	.32 -	—
Carbonate, calc., dms., c.l., works.	lb.	.06½-	—
l.c.l., same basis.	lb.	.09¾-	—

Paraffin—Pyrites

Potash carbonate, hydrated, 83-85%, bbls., c.l., works.	lb.	.05½-	—
l.c.l., same basis.	lb.	.06¾-	—
liquid, dms., c.l., dlvd.	lb.	.02¾-	—
l.c.l., 10 dms. or over.	lb.	.03¼-	—
less than 10 dms.	lb.	.03½-	—
tanks, dlvd.	lb.	.02¾-	—
USP, gran., bbls., 325 lbs.	lb.	.14 -	—
kgs., 100 lbs.	lb.	.16 -	—
powd., bbls., 325 lbs.	lb.	.19 -	—
kgs., 100 lbs.	lb.	.21 -	—
Caustic, flake, 88-92%, dom., dms., c.l., works.	lb.	.07 -	—
l.c.l.	lb.	.07¼-	.07½
import., dms.	lb.	.07 -	.07½
liquid, 45% basis, dms.	lb.	.03¼-	.03¾
tanks	lb.	.02¾-	—
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼-	—
l.c.l.	lb.	.06½-	.06¾
import, cskd.	lb.	.06¾-	.06¾
Chlorate, cryst., kgs.	lb.	.09¼-	.09½
gran., kgs.	lb.	.12 -	.13
powd., kgs.	lb.	.08½-	.09¾
Chloride, tech., 88%, cryst., bgs., kgs.	lb.	.04 -	.06
Chromate, kgs.	lb.	.19 -	.28
Citrate, USP, gran., bbls., 250 lbs.	lb.	.35 -	—
kgs., 100 lbs.	lb.	.36 -	—
cns., 50 lbs.	lb.	.37 -	—
cns., 25 lbs.	lb.	.39 -	.40
Cyanide, cns., dms.	lb.	.55 -	.60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots.	lb.	1.15 -	—
smaller lots.	lb.	1.30 -	—
cns., 25 lbs.	lb.	1.40 -	—
Guaiacolsulphonate, fib., dms., 100 lbs.	lb.	1.65 -	—
cns., 25 lbs.	lb.	1.75 -	—
Hydroxide, USP, sticks, cns., 110 lbs.	lb.	.30 -	—
Hypophosphite, cns., 100 lbs.,	lb.	.72 -	—
25 to 50 lbs.	lb.	.75 -	—
Iodate, bbls., bots., 5 lbs.	lb.	3.17 -	—
cns., 25 lbs.	lb.	3.05 -	—
Iodide, bbls., 250 lbs.	lb.	.93 -	—
bots., or cns.	lb.	1.02 -	1.28
dms.	lb.	.95 -	.96
Kainit, 20% K_2O, bulk, c.i.f. ports.	ton.	12.00 -	—
July, 1937-May, 1938.	ton.	12.75 -	—

Prices for potash kainit, manure salt, muriate, sulphate and potash magnesia-sulphate for July, 1937-May, 1938 are subject to discount according to time orders are placed and time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports.	unit-ton.	.55 -	.58½
July, 1937-May, 1938.	unit-ton.	.58½-	—
import., 30% K_2O, bulk, shipt.	unit-ton.	.55 -	—
July, 1937 - May, 1938,	unit-ton.	.58½-	—
Metabisulphite, kgs.	lb.	.11 -	.12
Muriate, dom., all strengths, min. 50% K_2O, bulk.	unit-ton.	.50 -	.53½
July, 1937 - May, 1938.	unit-ton.	.53½-	—
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.	unit-ton.	.50 -	—
July, 1937-May, 1938,	unit-ton.	.53½-	—

Potash muriate prices in bags are 62 ton higher than bulk price.

Oxalate, pure, cryst., kgs.	lb.	.30 -	.31
tech., bbls.	lb.	.25 -	.26
Perchlorate, kgs., works.	lb.	.09 -	.11
Permanganate, tech., dms.	lb.	.18½-	.19
Prussiate, red, bbls.	lb.	.35 -	.37
Yellow, bbls.	lb.	.15 -	.16
Silicate alkaline, lump, bags.	lb.	.07 -	—
Sulphate, NF, cryst., bbls., 400 lbs.	lb.	.13 -	—
kgs., 100 lbs.	lb.	.15 -	—
powd., bbls., 350 lbs.	lb.	.14 -	—
kgs., 100 lbs.	lb.	.16 -	—
tech., 90-95%, min. 90% bgs., shipt., c.i.f. ports.	ton.	36.25 -	—
July, 1937 - May, 1938.	ton.	38.00 -	—
Vegetable, bulk, f.o.b. Balto.	ton.	19.97	Nom.
Xanthate, dms., c.l.	lb.	.13 -	—
l.c.l.	lb.	.13½-	—
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt.	ton.	24.75 -	—
July, 1937-May, 1938.	ton.	25.75 -	—
Potash-titanium oxalate, kgs.	lb.	.33 -	.35
Prickly ash bark, bls.	lb.	.11½-	.15
Berries, bls.	lb.	.15 -	.16
Prince's pine herb, bls.	lb.	.18 -	.20
Propane, tanks, G.3.	gal.	.03 -	.04¼
Psyllium seed (see Fleaseed).			
Pulsatilla, bls.	lb.	.18 -	.19
Pumice stone, Italian, Amer., grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works.	lb.	.03 -	—
less than 3, works.	lb.	.03½-	—
F and 1, bbls., 3 or over, works.	lb.	.03½-	—
less than 3, works.	lb.	.04 -	—
0, 0-½, 0-¾, and ½, bbls., 3 or over, works.	lb.	.04 -	—
less than 3, works.	lb.	.04½-	—
Ital.-grd., bgs., c.l., ex dock N.Y.	ton.	32.85	Nom.
l.c.l., 5-29 tons, ex whse.	ton.	37.70 -	—
1,000-10,000 lbs., ex whse.	ton.	38.70 -	—
2 bgs. to 1,000 lbs., ex whse.	ton.	40.70 -	—
single bgs., ex whse.	ton.	45.70 -	—
Pumpkin seed, bgs.	lb.	.11 -	.14
Purple laks (see Red).			
Putty, com'l., dms., 1,000 lbs.	100 lbs.	2.90 -	—
500-999 lbs.	100 lbs.	3.10 -	—
100-499 lbs.	100 lbs.	3.25 -	—
linseed oil, raw, dms., 1,000 lbs.	100 lbs.	4.65 -	—
500-999 lbs.	100 lbs.	4.85 -	—
100-499 lbs.	100 lbs.	5.00 -	—
refined, dms., 1,000 lbs.	100 lbs.	5.15 -	—
500-999 lbs.	100 lbs.	5.35 -	—
100-499 lbs.	100 lbs.	5.50 -	—
standard, dms., 1,000 lbs.	100 lbs.	3.65 -	—
500-999 lbs.	100 lbs.	3.85 -	—
100-499 lbs.	100 lbs.	4.00 -	—
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard	brand. gal.	4.25 -	4.50
basis, 3.6% pyethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard	brand. gal.	6.37 -	6.75
Pyrethrum flowers, coarse, grnd. (g.f.p.), Japan, bgs., frt. alld., 15 tons or over,	lb.	.14¾-	—
fine powd. Japan, bbls., ton lots, frt. alld.	lb.	.17¾-	—
Pyridin, denaturing, dms.	gal.	1.55 -	—
refd., 2° dms.	lb.	.45 -	—
Pyrites, Spanish, bulk, c.i.f. Atl. ports.	unit-ton.	.12-.13	Nom.

Pyrocatechin—Salicin

Pyrocatechin, CP, cryst., works,			
fib, dms., tins..lb.	2.15	-	2.40
resublimed, fib. dms., tins..lb.	4.60	-	—
Pyroxylin scrap, amber, cs., works..lb.	.15	-	—
black, cs., works.....lb.	.10	-	—
China white, ivory, cs., works..lb.	.16	-	—
dense white, cs., works..lb.	.12	-	—
gray, cs., works.....lb.	.10	-	—
mixed, mottles, opaque, cs., works..lb.	.04	-	—
shell-demi, cs., works....lb.	.12	-	—
translucent pastels, cs., works..lb.	.10	-	—
transparent, cs., works...lb.	.20	-	—
colors, cs., works.....lb.	.12	-	—
shavings, amber, cs., works..lb.	.16	-	—
colors, mixed, cs., works.lb.	.10	-	—
white, cs., works.....lb.	.15	-	—

Q

Quassia, chips, bls.....lb.	.06	-	.07
Quebracho extract, liquid, 35% tan., bbls., works..lb.	.03½	-	—
tanks, works.....lb.	.03	-	—
solid, 63%, bgs., c.l., ex dock, plus duty..lb.	.04	-	—
clarified, 64%, bgs., c.l., same basis..lb.	.04¼	-	—
Queen of the meadow herb, bgs..lb.	.06	-	.07
Root, bgs.....lb.	.06	-	.07
Quercitron, extract, liquid, 51° bbls..lb.	.06	-	.08
solid, dms.....lb.	.10	-	.12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flask.	97.00	-	99.00
Quince seed, bgs.....lb.	.75	-	1.50
Quinidine, cryst., small, cns...oz.	.96	-	—
large, cns.....oz.	.98	-	—
powd., precip., cans.....oz.	.91	-	—
Sulphate, cns.....oz.	.67	-	—
Quinine, 100 ozs., cns.....oz.	.74	-	—
Acetate, cns.....oz.	.98	-	—
Arsenate, cns.....oz.	.98	-	—
Arsenite, cns.....oz.	1.00	-	—
Bisulphate, cns.....oz.	.53	-	—
Citrate, cns.....oz.	.71	-	—
Dihydrobromide, bots.....oz.	.74	-	—
Dihydrochloride, bots.....oz.	.74	-	—
Ethylcarbonate, cns.....oz.	.74	-	—
Ferrocyanide, cns.....oz.	1.00	-	—
Formate, cns.....oz.	.93	-	—
Glycerophosphate, cns.....oz.	1.13	-	—
Hydrochloride, cns.....oz.	.66½	-	—
Hydrochlorosulphate, cns....oz.	.74	-	—
Hydroiodide, cns.....oz.	.98	-	—
Hypophosphite, cns.....oz.	.98	-	—
Phosphate, cns.....oz.	.81	-	—
Salicylate, cns.....oz.	.72	-	—
Sulphate, U.S.P. X, cns....oz.	.53	-	—
U.S.P. XI, cns.....oz.	.59½	-	—
Sulphocarbolate, cns.....oz.	.96	-	—
Tannate, cns.....oz.	.87	-	—
Tartrate, cns.....oz.	.96	-	—
Valerate, cns.....oz.	.92	-	—
Quinine-urea hydrochloride cns.oz.	.74	-	—

R

R salt, bbls.....lb.	.52	-	.55
Rapeseed, Belgian, bgs.....lb.	.06¼	-	.06¾
Dutch, bgs.....lb.	.06¼	-	.06¾
Japanese, bgs.....lb.	.06¼	-	.06¾
Raspberries, dried, bbls.....lb.	.85	-	.90
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	1.10	-	—

Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Amaranth (see Red, maroon, lake).			
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb.	.80	-	—
smaller lots, same basis, lb.	.85	-	—
kgs., ton lots, same basis, lb.	.85	-	—
smaller lots, same basis, lb.	.90	-	—
light shade, bbls., ton lots, same basis..lb.	.65	-	—
smaller lots, same basis, lb.	.70	-	—
kgs., ton lots, same basis, lb.	.70	-	—
smaller lots, same basis, lb.	.75	-	—
light - medium shade, ton lots, same basis..lb.	.70	-	—
smaller lots, same basis, lb.	.75	-	—
kgs., ton lots, same basis, lb.	.75	-	—
smaller lots, same basis, lb.	.80	-	—
maroon shade, bbls., ton lots, same basis..lb.	.90	-	—
Red, cadmium, lithopone, maroon shade, bbls., smaller lots, same basis..lb.	.95	-	—
kgs., ton lots, same basis, lb.	.95	-	—
smaller lots, same basis, lb.	1.00	-	—
medium shade, bbls., ton lots, same basis..lb.	.75	-	—
smaller lots, same basis, lb.	.80	-	—
kgs., ton lots, same basis, lb.	.80	-	—
smaller lots, same basis, lb.	.85	-	—
selenide, bbls., ton lots, works.	2.00	-	—
smaller lots, works.....lb.	2.50	-	—
Orange, bbls., ton lots, works..lb.	1.50	-	—
smaller lots, works....lb.	1.75	-	—
Carmine 40, cns., 500 lbs....lb.	4.00	-	—
100 lbs.....lb.	4.15	-	—
11 lbs.....lb.	4.40	-	4.50
Crocus martis (see Red, purple oxide).			
Eosin, toner, blue shade, bbls, lb.	1.55	-	—
yellow shade, bbls.....lb.	1.40	-	—
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb.	.08¾	-	—
50%-85%, bbls., same basis.lb.	.07¼	-	—
Iron oxide (see Red, oxide).			
Lake C toner, bbls., same basis alizarin lake, contracts.lb.	1.25	-	—
open order.....lb.	1.30	-	—
Lithol toner, bbls., same basis alizarin lake, contracts..lb.	.75	-	—
open order.....lb.	.80	-	—
Lithol-rubin toner, bbls., same basis alizarin lake..lb.	1.50	-	—
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb.	.40	-	—
Oxide (see Red, purple oxide).			
Mercury oxide, tech., dom., bbls.	1.59	-	1.60
Metallic, bbls., Pa., works..lb.	.02	-	—
Orange, Persian (see O).			
Oxide, pure, bbls., c.l., works, lb.	.08½	-	—
l.c.l., works.....lb.	.09¼	-	—
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N.Y..lb.	.08¾	-	—
50% copperas oxide, bbls., same basis..lb.	.07¾	-	—
Para toner, concent., kegs, same basis alizarin lake, contracts..lb.	.75	-	—
open order..lb.	.80	-	—
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb.	.04½	-	—
ex whse., Chicago, St. Louis..lb.	.05¾	-	—
San Fran., Los Ang., Portland, Seattle..lb.	.05	-	—
Phosphotungstic Rhodamine Y, bbls..lb.	3.50	-	—
Purple lake, kgs.....lb.	.60	-	1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb.	.03	-	—
Toner, kgs.....lb.	1.50	-	2.00
Rose lake, bbls.....lb.	.20	-	.30
Pink, bbls.....lb.	.15	-	.20
Scarlet ink toner, kgs., same basis alizarin lake..lb.	.45	-	—
Lake, kgs., same basis alizarin lake..lb.	.25	-	.30
Spanish oxide, bbls., dlvd...lb.	.03¾	-	—
Toluidin toner, kgs., same basis alizarin lakes..lb.	1.35	-	—
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb.	.25½	-	—
2, bbls., same basis.....lb.	.30½	-	—
3, bbls., same basis.....lb.	.23½	-	—
4, bbls., same basis.....lb.	.33½	-	—
5, bbls., same basis.....lb.	.24	-	—
6, bbls., same basis.....lb.	.24	-	—
7, bbls., same basis.....lb.	.24	-	—
8, bbls., same basis.....lb.	.23	-	—
9, bbls., same basis.....lb.	.31½	-	—
10, bbls., same basis.....lb.	.18¾	-	—
Venetian, bbls., works.....lb.	.0220	-	—
10%, bbls., works.....lb.	.0245	-	—
15%, bbls., works.....lb.	.0255	-	—
20%, bbls., works.....lb.	.02¾	-	—
25%, bbls., works.....lb.	.03	-	—
30%, bbls., works.....lb.	.03¼	-	—
35%, bbls., works.....lb.	.0360	-	—
40%, bbls., works.....lb.	.04	-	—
Vermilion, American, bbls., same basis alizarin lake..lb.	.15	-	—
English quicksilver, bbls., 500 lbs..lb.	1.80	-	—
smaller lots.....lb.	1.81	-	1.90
Red dyes are listed under Dyes.			
Red precipitate, N. F., powd., fib, dms..lb.	1.84	-	1.86
Red saunders wood, ground, bbls. lb.	.12	-	.17
Resorcinol, tech., dms., works.lb.	.75	-	.80
USP, cryst., bbls., works....lb.	1.50	-	1.55
Rhatany root, bgs.....lb.	.08½	-	.10
Rhodinol, bots.....lb.	5.75	-	15.00
Rhubarb root, cs.....lb.	.35	-	.36
powd., bbls., kgs.....lb.	.40	-	.42
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb.	.15½	-	—
smaller lots.....lb.	.16	-	—
powd., bbls., 5,000 lbs., 1 shipm't..lb.	.14½	-	—
smaller lots.....lb.	.15	-	—
Rose flowers, pale, bls.....lb.	.21	-	.22
Red, bls.....lb.	2.00	-	2.10
Water, triple.....djn.	4.75	-	5.00
Rosemary flowers, bls.....lb.	.35	-	.40
Leaves, bls.....lb.	.05½	-	.06
Rosin, gum, B, bbls., ex dock.. 280 lbs.	8.45	-	—
D, bbls.....280 lbs.	8.55	-	—
E, bbls.....280 lbs.	9.00	-	—
F, bbls.....280 lbs.	9.37½	-	—
G, bbls.....280 lbs.	9.37½	-	—
H, bbls.....280 lbs.	9.37½	-	—
I, bbls.....280 lbs.	9.37½	-	—
K, bbls.....280 lbs.	9.37½	-	—
M, bbls.....280 lbs.	9.40	-	—
N, bbls.....280 lbs.	9.40	-	—
W. G., bbls.....280 lbs.	9.45	-	—
W. W., bbls.....280 lbs.	10.25	-	—
X, bbls.....280 lbs.	10.25	-	—
Wood, New York, F. F., bbls., 280 lbs.	9.16	-	10.25
K, bbls.....280 lbs.	9.41	-	10.50
M, bbls.....280 lbs.	9.51	-	10.60
N, bbls.....280 lbs.	10.16	-	11.25
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.	35.00	-	—
l.c.l., ex whse.....ton.	50.00	-	—
Import., lump, bbls.....lb.	.12	-	—
powd., bbls.....lb.	.08½	-	.10
Rue, bls.....lb.	.21	-	.23

S

Sabadilla seed, powd., bbls....lb.	.22	-	.23
Saccharin, dms., 100 lbs.....lb.	1.70	-	—
cns., 25 lbs.....lb.	1.73	-	2.05
Safflower, bls.....lb.	.27	-	.28
Saffron, Mexican, bls.....lb.	.50	-	.55
Spanish, tins.....lb.	18.00	-	20.00
Safrol, cns.....lb.	.50	-	.58
dms.....lb.	.47	-	.55
Sage, Dalmatian, stemless....lb.	.06	-	.06¼
garden, bls.....lb.	.06½	-	.07
Sago flour, bgs.....lb.	.03¼	-	.04¼
Salicin, bots., 5 lbs.....lb.	4.25	-	—
cns., 25 lbs.....lb.	4.00	-	—

THEY CALL HIM
"The Drummer"
JIM CAMPBELL, hearty Louisiana native, runs the drum shop in Mathieson's new alkali plant at Lake Charles. Jim will tell you that his is one of the big little jobs in Mathieson's plant. For every single drum has got to be just right and production schedules must be met to the minute if users of Mathieson Caustic Soda are to receive the service they have learned to expect.
Nicknamed "the drummer" by his plant friends, Jim Campbell is typical of the men behind Mathieson Chemicals. Proud of their jobs and proud of their company, these men pull together in a way that makes Mathieson one of the most respected names in the American chemical industry.
The MATHIESON ALKALI WORKS (Inc.)
60 East 42nd Street New York, N.Y.
Mathieson Chemicals

Salol, gran., bbls., 200 lbs.	lb.	.90 -	—
bxs., 25 lbs.	lb.	.93 -	—
kgs., 100 lbs.	lb.	.90 -	—
powd., fib. dms., 25 lbs.	lb.	1.03 -	—
kgs., 100 lbs.	lb.	1.00 -	—
Salt, rock, bgs., dlvd., N. Y.	ton.	11.80 -	12.80
l.c.l., bgs., dlvd., N. Y.	ton.	14.00 -	14.50
vacuum, common, fine, bgs., c.l., dlvd., N. Y.	ton.	14.80 -	—
l.c.l., dlvd. N. Y.	ton.	15.50 -	—
Saltcake, grd., dom., bbls., works,	ton.	19.00 -	23.00
bulk, works	ton.	12.00 -	16.00
import, bulk, c.i.f.	ton.	12.00 -	12.50
Chrome (see Chrome cake).			
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls.	100 lbs.	7.00 -	7.75
1-9 tons	100 lbs.	7.40 -	7.90
less than ton lots.	100 lbs.	7.40 -	8.15
gran., bbls., 10-20 tons.	100 lbs.	6.00 -	—
1-9 tons	100 lbs.	6.15 -	—
less than ton lots.	100 lbs.	6.40 -	—
powd., bbls., 10-20 tons.	100 lbs.	7.00 -	—
1-9 tons	100 lbs.	7.15 -	—
less than ton lots.	100 lbs.	7.40 -	—
Santonin, cryst., cns.	lb.	25.00 -	26.00
Saponin, crude, cns.	lb.	1.45 -	—
purified, bots., 5 lbs.	lb.	1.65 -	—
cns., 25 lbs.	lb.	1.50 -	—
Sarsaparilla root, Honduras, bls.	lb.	.45 -	.50
Mexican, bls.	lb.	.20 -	.22
Sassafras bark, ord., bls.	lb.	.11 -	.12
select, bls.	lb.	.22 -	.23
Savory, bbls.	lb.	.07 -	.07½
Saw palmetto berries, bgs.	lb.	.27 -	.29
Scammony root, bgs.	lb.	.06 -	.07
Schaeffer's salt, bgs.	lb.	.46 -	—
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't.	lb.	.11½-	—
smaller lots	lb.	.12 -	—
kegs, 5,000 lbs., 1 shipm't.	lb.	.12 -	—
smaller lots	lb.	.12½-	—
Senega root, bls.	lb.	.60 -	.62
Senna leaves, Alexandria, bls.	lb.	.10 -	.11
Tinnevelly, No. 1, bls.	lb.	.10 -	.11
2, bls.	lb.	.07 -	.08
3, bls.	lb.	.05 -	.06
powd., bbls., bxs.	lb.	.09 -	.10
siftings, bls.	lb.	.10 -	.11
Pods, bls.	lb.	.06 -	.07
Serpentaria roots, bls.	lb.	1.00 -	1.05
Shellac, bleached, bonedry, bbls., f.o.b., N. Y.	lb.	.18½-	.19
dlvd. Boston	lb.	.19 -	.19½
Chicago	lb.	.19½-	.20
Pacific Coast	lb.	.20½-	.21
refd., bbls., f.o.b. N. Y.	lb.	.24 -	.25
dlvd. Boston	lb.	.19 -	.19½
Chicago	lb.	.19½-	.20
Pacific Coast	lb.	.20½-	.21
Garnet, bgs.	lb.	.16 -	.17
Orange, D.C., VSO., Diamond, cases.	lb.	.24 -	.25
superfine, bgs., f.o.b. Bost., N. Y.	lb.	.14½-	.15
dlvd. Chicago	lb.	.15½-	.16
Pacific Coast	lb.	.17½-	.18
T. N., bgs., f.o.b. Bost., N. Y.	lb.	.13 -	.13½
dlvd., Chicago	lb.	.14 -	.14½
Pacific Coast	lb.	.16 -	.16¾
Shellac, varnish, orange, 5-lb. cut, bbls.	lb.	.90 -	1.05
4½-lb. cut, bbls.	gal.	.85 -	.95
4-lb. cut, bbls.	gal.	.80 -	.90
white, 5-lb. cut, bbls.	gal.	1.05 -	1.15
4½-lb. cut, bbls.	gal.	1.00 -	1.10
4-lb. cut, bbls.	gal.	.95 -	1.05
Silica amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	17.00 -	—
l.c.l., 2½ tons, works.	ton.	19.00 -	—
smaller lots, works.	ton.	20.00 -	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	18.00 -	—
l.c.l., 2½ tons, works.	ton.	19.50 -	—
smaller lots works.	ton.	21.00 -	—
400 mesh, bgs., c.l., works.	ton.	35.00 -	—
l.c.l., 2½ tons, works.	ton.	36.50 -	—
smaller lots, works.	ton.	38.00 -	—
96-98%, 325 mesh, bgs., c.l., works.	ton.	20.00 -	—
l.c.l., 2½ tons, works.	ton.	21.50 -	—
smaller lots, works.	ton.	23.00 -	—
99%, 325 mesh, bgs., c.l., works.	ton.	22.00 -	—
l.c.l., 2½ tons, works.	ton.	25.50 -	—
smaller lots	ton.	27.00 -	—
hard-quartz, 140 mesh, bgs., c.l., works.	ton.	11.00 -	—
l.c.l., works	ton.	16.00 -	—
Silver, bullion	oz.	.45 -	—
Govt. purchase	oz.	.7757-	—
Nitrate, vis	oz.	.32⅞-	.34⅞
Nucleinate, bots., cns., 480 ozs.,	oz.	.30 -	.31
Proteinate, bots., cns., 480 ozs.,	oz.	.29 -	.30
Simarubra bark, bls.	lb.	.28 -	.30
Skatol, bots.	lb.	85.00 -	90.00
Skullcap, Eastern, bls.	lb.	.25 -	.28
Western, bls.	lb.	.24 -	.25
Skunk cabbage root, bls.	lb.	.15 -	.16
Slate flour, bgs., c.l., works.	ton.	9.00 -	—
l.c.l., works	ton.	10.00 -	15.00
Sloe berries, bgs.	lb.	.11 -	.12
Smalt, black, extra velvet, ctns.	lb.	.05 -	.08
Blue, ctns.	lb.	.07 -	.08½
Snakeroot, Canad., bls.	lb.	.24 -	.26
Soapbark, bls.	lb.	.07 -	.08
crushed, bls., bbls.	lb.	.11 -	.12
cut, bls., bbls.	lb.	.09 -	.10
powd., bbls.	lb.	.13 -	.14
Soda, abietate, dms.	lb.	.13 -	—
Acetate, anhyd., dms.	lb.	.08¼-	—
flake, gran., powd., 60%, dms.	lb.	.04¼-	.05
Alginate, dms.	lb.	.60 -	—
Antimoniate, bbls.	lb.	.15¾-	.16¾
Arsenate, dms., dealers, c.l. works.	lb.	.08 -	—
l.c.l., dms., works	lb.	.08½-	—
Arsenite, dry, gray, dms., c.l., dealers' works.	lb.	.07½-	.08½
l.c.l., dms., works	lb.	.08 -	.10
white, dms., c.l., dealerg' works.	lb.	.09 -	.13
l.c.l., dms., works	lb.	.09½-	.13½
liquid, dms., works	gal.	.30 -	.33

Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l. works.	100 lbs.	1.25 -	—
l.c.l., Zone 1	100 lbs.	2.03 -	—
2	100 lbs.	2.18 -	—
3	100 lbs.	2.43 -	—
4	100 lbs.	2.83 -	—
bbls., c.l., works.	100 lbs.	1.50 -	—
l.c.l., Zone 1	100 lbs.	2.25 -	—
2	100 lbs.	2.40 -	—
3	100 lbs.	2.65 -	—
4	100 lbs.	3.05 -	—
bulk, c.l., works.	100 lbs.	1.10 -	—
extra light, 58%, bgs., c.l.,	100 lbs.	1.23 -	—
l.c.l., Zone 1	100 lbs.	1.98 -	—
2	100 lbs.	2.13 -	—
3	100 lbs.	2.38 -	—
4	100 lbs.	2.78 -	—
bbls., c.l.	100 lbs.	1.60 -	—
l.c.l., Zone 1	100 lbs.	2.35 -	—
2	100 lbs.	2.50 -	—
3	100 lbs.	2.75 -	—
4	100 lbs.	3.15 -	—
bulk, c.l.	100 lbs.	1.05 -	—
light, 58%, bgs., c.l., works.	100 lbs.	1.23 -	—
l.c.l., Zone 1	100 lbs.	1.98 -	—
2	100 lbs.	2.13 -	—
3	100 lbs.	2.38 -	—
4	100 lbs.	2.78 -	—
bbls., c.l., works.	100 lbs.	1.50 -	—

Soda ash, light, 58%, l.c.l., Zone 1	100 lbs.	2.25 -	—
2	100 lbs.	2.40 -	—
3	100 lbs.	2.65 -	—
4	100 lbs.	3.05 -	—
bulk, c.l.	100 lbs.	1.05 -	—

Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices: out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more.	lb.	.39 -	—
1,000 to 3,900 lbs.	lb.	.40 -	—
900 lbs. or less.	lb.	.43 -	—
USP, bbls., 4,000 lbs., or more.	lb.	.46 -	—
1,000 to 3,900 lbs.	lb.	.47 -	—
900 lbs. or less	lb.	.50 -	—
dms., 4,000 lbs. or more.	lb.	.47 -	.48
1,000 to 3,900 lbs.	lb.	.48 -	.49
900 lbs. or less.	lb.	.51 -	.52
Bicarbonate, gran., bbls., c.l., works.	100 lbs.	2.15 -	—
Soda, bicarbonate, gram., powd., bbls., c.l., works.	100 lbs.	1.75 -	—
l.c.l., dlvd. N.Y.	100 lbs.	2.39 -	—
kgs., c.l.	100 lbs.	2.00 -	—
l.c.l., dlvd. N.Y.	100 lbs.	2.64 -	—
Bichromate, spots, c.l., works.	lb.	.06⅝-	—
6 cks. or 10 bbls. or over, works.	lb.	.06⅝-	—
5 cks. or 9 bbls. or less, works.	lb.	.07 -	—
Bifluoride, bbls.	lb.	.12 -	—
Bisulphate (see Niter cake).			
Bisulphite, powd., bbls., c.l., works.	100 lbs.	3.25 -	3.35
l.c.l., works.	100 lbs.	3.50 -	3.60
solution, 32 deg., bbls., c.l., works.	100 lbs.	1.30 -	—
l.c.l., bbls., works.	100 lbs.	1.55 -	—
38 deg., bbls., c.l., works.	100 lbs.	1.35 -	—
l.c.l., bbls., works.	100 lbs.	1.60 -	—
35 deg., bbls., c.l., works.	100 lbs.	1.40 -	—
l.c.l., bbls., works.	100 lbs.	1.65 -	—
40 deg., bbls., works.	100 lbs.	1.55 -	—
l.c.l., bbls., works.	100 lbs.	1.80 -	—
Bromide, U.S.P., gran., bbls., 500 lbs.	lb.	.31 -	—
fiber dms., 100 lbs.	lb.	.32 -	—
Cacodylate, bots, 5 lbs.	lb.	6.82 -	—
jars, 25 lbs.	lb.	6.50 -	—
Carbonate (see Soda ash, soda monohydrated soda, sal)			
Caustic, flake, 76% 1, grd., powd., ammon. process, bbls., c.l., works.	100 lbs.	3.25 -	—
dms., c.l., works.	100 lbs.	3.00 -	—
l.c.l., Zone 1	100 lbs.	3.45 -	4.80
2	100 lbs.	3.60 -	4.95
3	100 lbs.	3.85 -	5.20
4	100 lbs.	4.25 -	5.60

Salol—Soda Citrate

Soda caustic, flake, 76%, electro process, dms., c.l., works,	100 lbs.	2.95 -	—
l.c.l, same zone prices as ammonia process.			
liquid, 47-49% buyer's tanks, works.	100 lbs.	2.22½-	—
seller's tanks, works.	100 lbs.	2.25 -	—
70%, buyer's tanks, works,	100 lbs.	2.27½-	—
seller's tanks, works.	100 lbs.	2.30 -	—
solid, 76%, ammon. process, dms., c.l., works.	100 lbs.	2.60 -	—
l.c.l., Zone 1	100 lbs.	3.05 -	—
2	100 lbs.	3.20 -	—
3	100 lbs.	3.45 -	—
4	100 lbs.	3.85 -	—
electro process, dms., c.l., works.	100 lbs.	2.55 -	—
l.c.l., same zone prices as ammon. process.			
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.			
Chlorate, dom., cryst., bgs., c.l., works.	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	.08
powd., bgs., c.l., works.	lb.	.06½-	—
l.c.l., works	lb.	.07 -	.08½
Citrate, USP, VIII, gran., bbls. 225 lb.	lb.	.21 -	—
cns. 50 lbs.	lb.	.23 -	—
25 lbs.	lb.	.25 -	.26
kgs., 100 lbs.	lb.	.22 -	—

Stauffer

CAUSTIC SODA

The basic industrial chemicals manufactured by Stauffer give thorough satifaction because they are made in modern plants equipped to meet the demand for quick delivery of any quantity and under conditions that safeguard their uniform quality. Fifty years' experience in the manufacture of chemicals has enabled us to develop a list of products that are as nearly perfect as it is possible to make.

Stauffer Caustic Soda can be supplied promptly in flake or solid form in drums of 50-100-400 and 700 pounds. Send us your next inquiry on Caust'c Soda.

OTHER STAUFFER PRODUCTS

BORIC ACID : CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : CAUSTIC SODA
SULPHUR CHLORIDE : SULPHUR : SILICON
TETRACHLORIDE CREAM OF TARTAR : SULPHURIC
ACID : CARBON BISULPHIDE : TARTARIC ACID
WHITING

STAUFFER CHEMICAL COMPANY

624 California St., San Francisco, Cal. ● 2710 Graybar Bldg., New York, N. Y. ● Freeport, Texas ● Rives-Strong Bldg., Los Angeles, Cal. ● Carbide and Carbon Bldg., Chicago, Ill. 424 Ohio Bldg., Akron, Ohio ● Apopka, Florida

A dependable Source of Supply since 1885

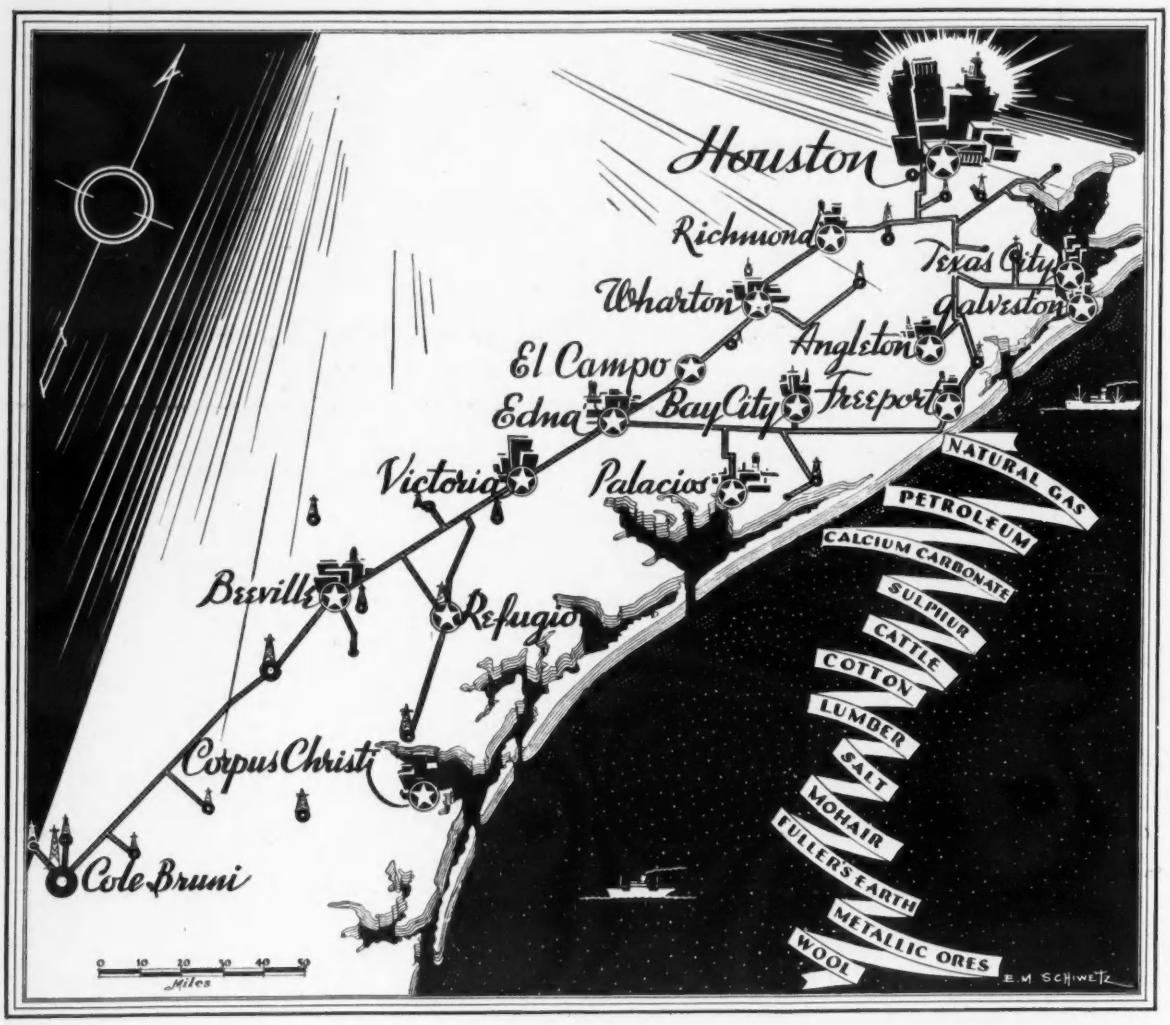
STAUFFER

Soda Citrate—Talc

Soda, citrate, USP X, gran., bbls., 250 lbs..lb. .27½ -
cans, 50 lbs.....lb. .29½ -
25 lbs.....lb. .31½ - .32½
kegs., 100 lbs.....lb. .28 -
powd., bbls., 250 lbs.....lb. .28 -
cans., 50 lbs.....lb. .30 -
25 lbs.....lb. .32 - .33
kegs, 100 lbs.....lb. .29 -
Cyanide, 96-98%, dom., dms..lb. .16½ - .17¼
import., cs.....lb. .16¼ - .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼ -
l.c.l., 10 or over, same basis..lb. .07½ -
5-9, same basis.....lb. .08 -
1-4, same basis.....lb. .08¼ -
96%, bbls., c.l., same basis, lb. .07½ -
l.c.l., 10 or over, same basis..lb. .07¾ -
5-9 same basis.....lb. .08¼ -
1-4, same basis.....lb. .08½ -
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000 lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000 lb. lots, lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 lbs..lb. .23 - .34
Hypophosphite, N.F., cns., 100 lbs..lb. .67 - —
Hyposulphite, cryst.,large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls.....100 lbs. 2.50 - 3.05
gran., bbls.....100 lbs. 2.75 - 3.30
Iodate, jars.....lb. 5.02 - 5.07
Soda, iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 5.50 - —
jars, 25 lbs.....lb. 5.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls.,c.l.,works.100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.50 - 2.80
Molybdate, tech., anhyd., kgs., lb. .70 - .75
cryst., kgs.....lb. .60 - .65
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, 100-lb. bgs., June dlvy., ports.....ton.27.50 - —
200-lb. bgs., same basis, ton.26.80 - —
bulk, same basis.....ton.25.50 - —
rfd., gran., bbls., 25 c.l. 100 lbs. 2.25 - —
5-24 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd., bbls., ton lots....lb. .05¾ - —
smaller lots.....lb. .06¼ - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized...lb. .07 - —
West Coast, f.o.b. ports.lb. .08¼ - —
l.c.l. .....lb. .08½ - .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, NF, bbls., c.l., works..lb. .14¾ - —
l.c.l., works.....lb. .15¾ -
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
Soda, phosphate, tribasic, bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .10 - .11½
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09½ - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms. and up, delvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.25 - —
l.c.l., 5 or more, works, 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls....lb. .06½ - .07
import, bbls.....lb. .06½ - .07
Stannate, dms.....lb. .36 - .39
Stearate, lump, bbls., works..lb. .19 - .20
powd., bbls., works.....lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Soda, sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works... 100 lbs. 2.10 - 2.85
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .39 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works.gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works..gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works, lb. .25 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .12 - .15
Spruce extract, bbls., works...lb. .01½ -
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04¼ -
super, bbls., works.....lb. .01⅞ -
tanks, works.....lb. .01⅝ -
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .31 - .32
St. John's bread, bls.....lb. .08½ - .09
Starch, corn, pearl, bgs...100 lbs. 4.33 - 4.53
powd., bgs.....lb. 4.43 - 4.63
Iodide, bots.....lb. 1.87 - —
Potato, dom., bgs.....lb. .05½ Nom.
import., bgs.....lb. .05½ Nom.
Rice, bbls.....lb. .07⅜ Nom.
Wheat, thick boil, bbls.....lb. .07 Nom.
Stavesacre seed, bgs.....lb. .30 - .35
Stearin, oleo, bbls.....lb. .09 - .09¼
Stillingia root, bls.....lb. .09½ - .10
Stoneroot, bls.....lb. .06½ - .07
Storax, cs.....lb. .33 - .50
Stramonium leaves, bls.....lb. .11 - .12
seed, bgs.....lb. .09 - .10
Strontium bromide, bbls.....lb. .50 - .51
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars.....lb. 2.80 - 2.85
Nitrate, dom., bbls., c.l., works, lb. .07¾ -
25 bbls. and over.....lb. .08¼ -
1-4 bbls. and over.....lb. .08¾ -
import, bbls.....lb. .08½ - .09
Strophanthus seed, Kombe,bgs.lb. 1.45 - 1.50
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .66 - —
Arsenite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., ens.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .55
Sucrose octa - acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.10
Milk, bbls., c.l.....lb. .13 - —
l.c.l., 10 or over.....lb. .15 - —
less than 10.....lb. .16 - .17
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts.long ton.18.00 - —
c.l., spot, nearby.long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long-ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, com'l., bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., bbls., works..100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls, works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls, works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls works.....100 lbs 2.85 - 3.25
Chloride, dms., c.l.....lb. .03 - —
l.c.l., dms., works.....lb. .03¾ - .04
Dioxide, liq., com'l, cyls., wks. lb. .07 - .09
multi-unit cars, works..lb. .04½ - .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .15 - .17
multi-unit cars, works..lb. .07½ - .10
Iodide bots, jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls.....ton.60.00 -63.00
leaf, bales.....ton.65.00 -68.00
Extract, 42°, bbls.....lb. .05¼ - .06¼
51°, bbls.....lb. .06½ - .08¼
stainless, bbls.....lb. .08½ - .09¼
Sunflower seed, Calif., large, bgs. lb. .07 - .07½
medium, bgs.....lb. .06¼ - .06¾
poultry, bgs.....lb. .05¾ - .06¼
Hungarian medium, bgs..lb. .06¼ - .06¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 Nom.

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —



In considering the location of factories and branch plants, the needs of every company in every industry necessarily differ. Recognizing this, we have equipped ourselves to furnish specially prepared, confidential surveys to individual companies. You are invited to have one prepared for your company. Your inquiry involves no obligation. Address Houston Pipe Line Co., Houston, Texas.

The Industrial Spotlight Is on the Texas Coast!

Last year's Texas Centennial Celebration and this year's greater Texas and Pan-American Exposition have focussed the country's attention generally upon its largest state; and in particular, the eyes of industry are turned toward the Texas Coast. It is a region which invites the investigation of industrial managements; it is rich with diverse resources and connected by rail and water with markets at home and abroad. The map above shows the industrial resources available on the Texas Coast; fuel is supplied by unlimited resources of efficient natural gas.

HOUSTON PIPE LINE CO.

Subsidiary of Houston Oil Company of Texas

GEO. A. HILL, JR., President

Wholesalers of Natural GAS

Talc, dom., N. Y., fibrous, 96.98% 325 mesh, bgs., c.l., mills, ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½% 325 mesh,bgs.,c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
99.85-99.95% 325 mesh, bgs., c.l., mills..ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Import, Canad., bgs., c.l., dlvd..ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .08½ Nom.
extra, loose, works.....lb. .08⅛- —
special, loose, works.....lb. .08 - —
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l. .....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
Tamarinds, W. I., bbls.....lb. .06½- .07
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk.....unit-ton. 3.60 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 3.50 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago..unit-ton. 3.40 & .10
high-grade feeding, bulk, Chicago..unit-ton 3.50 & .10
Import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, July shipt..unit-ton. 3.80 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03¾- .05¼
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25% dms., c.l., works.....gal. .24½- —
l.c.l., same basis.....gal. .27½- —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cns.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .80 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Alpha, denat. grade, dms., c.l. lb. .14¾- —
contracts .....lb. .13¾- —
tanks .....lb. .14 - —
contracts .....lb. .13 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 99% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .09¾- .10¼
Thymol, bots., 100 lbs.....lb. 1.65 - —
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons lb. .26 - —
5 tons, same bases....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin, crystals, bbls., kgs.....lb. .40½- .41
Metal, Straits.....lb. .55 - —
Oxide, bbls.....lb. .58 - .60
Tetrachloride, anhyd., bbls..lb. .28 - —
Titanium, dioxide, bgs., c.l., (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse..lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse...lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons) E., frt. alld .....lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
pigment, barium base, bgs., 1,000-lb. lots, E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
50-999 lbs., E. dlved....lb. .06 - —
Pac. cst., ex whse..lb. .06 - —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., 1,000-lb. lots, E., frt. alld..lb. .06 - —
50-999 lbs., E. dlvd....lb. .06¼- —
calcium base, bgs., 1,000-lb. lots, E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
50-999 lbs., E. dlvd.....lb. .06 - —
Pac. cst., ex whse...lb. .06 - —
under 50 lbs., E. dlvd..lb. .06¾- —
bbls., 1,000-lb. lots, E. frt. alld..lb. .06 - —
50-999 lbs., E. dlvd....lb. .06¼- —
Tolidin base kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .48 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld, gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld., E. of Rockies..lb. .094- —
W. of Rockies.....lb. .104 - —

Tricresyl phosphate, CP, cns., dlvd..lb. .40 - .51
dms., c.l., dlvd.....lb. .34 - —
500 lbs., dlvd.....lb. .37 - —
tech., 1, cn., dlvd.....lb. .28 - .39
dms., c.l., dlvd.....lb. .24½- —
500 lbs., dlvd.....lb. .25 - —
2, cns., dlvd.....lb. .26 - .37
dms., c.l., dlvd.....lb. .22½- —
500 lbs., dlvd.....lb. .23 - —
Triethanolamine, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethylene glycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - .36
Tripoli, air-floated, bgs., c.l., works..ton.25.00 - —
l.c.l., ex whse., N.Y....ton.40.00 - —
1 ton, works.....ton.30.00 - —
1 bg., works.....bag. 4.00 - —
double-grd., bgs., c.l. works.. ton.17.00 - —
l.c.l., 1 ton, werks.....ton.22.50 - —
1 bg., works.....bag. 3.50 - —
once-grd., bgs., c.l., works..ton.15.00 - —
l.c.l., 1 ton, works.....ton.20.00 - —
1 bg., works.....bag. 3.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms. lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. 3.75 - —
tech., kgs.....lb. 2.75 - —
Turmeric root, Alleppy, bgs...lb. .06¾- .07¼
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .40½- —
l.c.l., 10, ex duck.....gal. .42½- —
5, ex dock.....gal. .44½- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .38 - —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .33 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root.)
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. NH_3 unit 1.00
Uva ursi leaves, bls.....lb. .20 - .25

V

Valerian root, 67s.....lb. .09 - .10
Valonia, beards, bgs., shipt..ton.48.00 - —
Cups, bgs., shipt.....ton.34.50 - —
Vanilla beans, Bourbon, tins..lb. 4.75 - 5.50
Mexican, tins.....lb. 4.50 - 4.75
cut, tins.....lb. 4.25 - 4.50
South American, tins.....lb. 4.25 - 4.50
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more..lb. 3.65 - —
1,000 lbs. or more.....lb. 3.70 - —
900 lbs. or less.....lb. 3.75 - —
5-lb. tins, 2,000 lbs. or more, lb. 3.75 - —
1,000 lbs. or more.....lb. 3.80 - —
900 lbs. or less.....lb. 3.85 - —
1-lb. tins, 2,000 lbs. or more. 3.90 - —
1,000 lbs. or more.....lb. 3.95 - —
900 lbs. or less.....lb. 4.00 - —
1-oz. tins, 2,000 lbs. or more lb. 4.25 - —
1,000 lbs. or more.....lb. 4.30 - —
900 lbs. or less.....lb. 4.35 - —
single lbs.....lb. 4.80 - —
single ozs.....lb. 5.15 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs.....lb. .47 - .49
Verdigris, bbls., kgs.....lb. .24 - .26
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .65 - .66
tree, bark, bls.....lb. .25 - .26
Wattle bark, bgs., shipt.....ton.36.50 - —
Extract, bbls.....lb. .04⅝- .04½
Wax, bayberry, import, bgs...lb. .17 - .17½
Bees, white, bleach, slabs., cs., 500 lbs. .39 - .45
yellow, crude, Africa, bgs., lots of 10..lb. .29½- .30
1 bg.....lb. .30 - .30½
Brazil, Chile, bgs., 5-10 tons. lb. .32 - .32½
1 ton.....lb. .32½- .33
500 lbs.....lb. .33 - .33½
100 lbs.....lb. .33½- .34
refd., slabs, cs., lbs.....lb. .35 - .39
Candelilla, bgs., 1 ton.....lb. .14½- .15
jobbing lots.....lb. .15 - .15½
Carnauba, bgs., No. 3 chalky 1 ton..lb. .37½- .38
5 bgs.....lb. .38 - .38½
1 bg.....lb. .38½- .39
N. C. 2, bgs.....lb. .42 - .43
N. C. 3, bgs., 1 ton.....lb. .38 - .38½
5 bgs.....lb. .38½- .39
1 bg.....lb. .39 - .39½
refined, bgs.....lb. .42½- .43
yellow, 1, bg., 1 ton.....lb. .47½- .48
5 bgs.....lb. .48 - .48½
1 bg.....lb. .48½- .49
2, bgs.....lb. .46 - .46½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .06½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10 - .10½
Montan, bgs., c.l.....lb. .11 - —
6 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 60°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure, 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, White).
White pine bark, rossed, bls...lb. .05½- .06
White precipitate, powd., bots. 5 lbs..lb. 1.99 - —
dms. .....lb. 1.86 - 1.88

Whiting, chalk, coml., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -13.00
l.c.l., works.....ton.13.20 - 14.50
wet-grd., bgs., c.l., works. ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
l.c.l., works.....ton.18.50 -20.00
gilder's bolted, bip. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, bip. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works.ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, bip. bags., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works. ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., works..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l. works ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works. ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .06
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .55 - .65
Leaves, bls.....lb. .07¼- .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock....ton.27.00 - —
120 mesh, bgs., ex dock....ton.33.00 - —
Wormseed, American, bgs.....lb. .19 - .20
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), coml., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works...gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
W. of Omaha, works....gal. .41 - —
6°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
W. of Omaha, works....gal. .36 - —
10°, dms., works.....gal. .38 - —
tanks, E. of Omaha, frt. alld. gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .40 - —
smaller lots, same basis, lb. .45 - —
kgs., same basis.....lb. .50 - —
sulphide, orange, bbls., works, lb. .90 - .95
Chrome, CP, bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02⅛- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅝- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import.lb. .0235- —
New York (f.o.b.)..lb. .02¼- —
Philadelphia, for import..lb. .02¼- —
Portland, Seattle...lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .0245- —
New York.....lb. .02⅝- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle..lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —

Talc—Zinc Sulphide

Yellow, ocher, French, all shades, csks., l.c.l., ex whse., Balto, Boston, N. Orleans..lb. .0260- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03½- —
Minneapolis .....lb. .03⅝- —
New York.....lb. .02⅝- —
Pittsburgh .....lb. .03½- —
Portland, Seattle..lb. .03⅝- —
San Pedro, S. Francisco..lb. .03½- —
f.o.b. N. Y. from dock, lb. .02½- —
from whse.....lb. .02⅝- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y.. lb. .04½- —
l.c.l., same basis.....lb. .04⅝- —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., works.....lb. .07 - .07¼
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, bls.....lb. .10 - .11
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .06 - .09
Yohimbine hydrochloride, vls.oz. 2.50 - 2.55

Z

Zinc, arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .10¼- —
l.c.l., bgs., cs.....lb. .11 - —
arsenite, bgs., c.s., c.l. dealers, of Rockies..lb. .10¼- —
l.c.l., bgs., cs.....lb. .11 - —
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 98 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works. 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
solution, dms., works....lb. .04½- —
tanks, works.....lb. .02 - —
Cyanide, kgs., works.....lb. .36 - .38
Dust, bbls., c.l., dlvd.....lb. .0865- —
l.c.l., bbls., dlvd.....lb. .09¼- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd. except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst.lb. .06⅝- —
bbls., c.l., dlvd. except Pac. cst..lb. .0635- —
ex whse., Pac cst.lb. .0635- —
bbls., c.l., dlvd. except Pac. cst..lb. .0635- —
ex whse., Pac cst.lb. .0660- —
50%, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06½- —
bbls., c.l., dlvd.....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst.lb. .06⅝- —
French process, coml., lead-free, bgs., c.l., dlvd.lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse.,Pac. cst.lb. .06¼- —
bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
green seal, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07⅝- —
ex whse.,Pac. cst.lb. .07⅝- —
bbls., c.l., dlvd.....lb. .07⅝- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse.,Pac. cst.lb. .08 - —
red seal, bgs., c.l., dlvd. lb. .07 - —
l.c.l., dlvd. except Pac. cst.lb. .07¼- —
ex whse.,Pac. cst.lb. .07¼- —
bbls., c.l., dlvd.....lb. .07¼- —
l.c.l., dlvd. except Pac. cst..lb. .07½- —
ex whse.,Pac. cst.lb. .07½- —
white seal, bgs.,c.l., dlvd. lb. .08 - —
l.c.l., dlvd. except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd. except Pac. cst.lb. .08½- —
ex-whse., Pac. cst.lb. .08½- —
Import., gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
Oxide, USP, bbls., c.l.....lb. .09 - —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
USP, bbls.....lb. .21 - —
Sulphate, cryst., bgs., c.l.100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 4.05 - —
flake, bgs., c.l.....100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
bbls., c.l.....100 lbs. 3.75 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.00 - —
l.c.l. .....100 lbs. 5.75 - —
bbls., c.l.....100 lbs. 5.15 - —
l.c.l. .....100 lbs. 5.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¾- —

(Continued on page 36)

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 12 Gold Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1937, by
Oil, Paint and Drug Publishing Company, Inc.

Vol. 131 May 31, 1937 No. 22

Study the Labor Bill

Industrial employers must not be lulled into false security by the prophecies of "trained seals" or wishful thinkers that the Black - Connery "Fair Labor Standards" bill will not be passed by Congress, or, if passed, will not be upheld by the courts. Their experience with the Wagner labor relations act should lead them to strenuous endeavors to remedy the shortcomings of this bill before it becomes a law.

There can be ready agreement with the President when he says, in recommending this legislation:—

> A self-supporting and self-respecting democracy can plead no justification for the existence of child labor, no economic reason for chiseling workers' wages or stretching workers' hours.

Industry knows, as well as the President, that:—

> Enlightened business is learning that competition ought not to cause bad social consequences which inevitably react upon the profits of business itself.

It is true, as the President says, that fair-playing business men "have no power to bind the inevitable minority of chiselers within their own ranks." There must be some measure of governmental support for the efforts of business toward self-improvement. The question of the moment is the satisfactoriness of the means proposed for the extension of this support. The time to find the answer to this question is now.

The Black-Connery bill is comprehensive in its directions for the exercise of discretionary powers by the labor standards board which it would create for its administration. A large measure of discretion will be necessary for the application of its provisions. The validity of this delegation of power may be appraised by comparison with, for example, the Interstate Commerce Commission act. But, the language of the bill is in places vague and apparently contradictory.

The major fault of the bill is that, like the Wagner act, it is one-sided. The President asks for "ways and means of insuring to all our able-bodied working men and women a fair day's pay for a fair day's work." The Black-Connery bill would insure a fair day's pay, but not a fair day's work. It outlaws oppressive labor practices and substandard labor conditions, but would do nothing about oppressive or substandard labor.

The Cost Of Volume

Although experiences in plenty have shown that the cost of ambitious volume in distribution is heavily destructive of profits, it is still the general belief that costs of production can be reduced in direct proportion to the increase of the volume of output. A point to the contrary, made by a speaker at the recent convention of the National Association of Purchasing Agents, is therefore deserving of serious consideration.

This speaker was discussing copper in terms of supply and demand and cost. He took occasion to refer to certain more or less pontifical utterances about low-cost showings made by producers of copper in recent years.

Although he did not attempt to defend unqualifiedly the raising of the price of copper, he offered a point that showed that costs of production would almost inevitably increase as the volume of production of copper was increased.

This paradox he clarified by showing that when a producer is called upon to supply up to a certain quantity of copper he can meet the demand by working only ore of higher metallic content. But, when he is called upon for more than that quantity of metal he must turn in commensurate part to the working of ore of lower grades. Obviously it costs more to get a ton of copper from a low-grade ore than it does to smelt it from an ore that contains several times as much metal in an equal furnace charge. Obviously the higher cost of working low-grade ore increases the average production cost in keeping with the proportion of such ore used.

This law of diminishing returns, with the inevitable increasing cost, holds good with respect to various raw materials of industry. It applies to grain and other agricultural products. It is met in more than a few manufacturing operations, especially in intermediate stages of volume in relation to peak loads on machinery equipment and on manpower. When the job is too big for a certain number of machines and the requisite number of operators and not big enough fully to engage the capacity of an economically operated additional number of machines and men, the cost of the additional facilities may easily raise the level of plant costs.

There are optimum levels in production, even in mass production, and these are not always the same as maximum levels. This fact is unknown to some who criticize prices; it is disregarded by others. The same is true with respect to industrialists. many of whom from time to time are consequently at a loss to understand why the relation of volume and cost, which they accept as standard, often goes into reverse.

Generalities are always misleading, because neither thoughts nor actions can be molded to one general plan. Particulars, circumstances, are individualizing forces whose influences cannot be disregarded in any calculation without disturbing the results. While there may not be exceptions to every rule, so many rules are modified, perhaps nullified, by conditions that he who would keep his undertaking profitable must foresee and foreheed many things.

—O-P-D—

Improving Tung Oil

Another tung oil mill has been put in operation in the United States. It is located in Mississippi and is the fourth of the crushing plants that are to convert into an important industrial material the fruits of the latest addition to the crops of Southern soil. It is predictable that tung oil will some day rank with cottonseed oil as an important product of the South, and it is noteworthy that these are complementary, not competitive, products.

Production of tung oil from nuts grown in the United States has far to go before it will have reached the volume of the consumption of this oil in American industry. Imports of tung oil in 1936 amounted to almost 135,000,000 pounds. Imports this year have run more than 6 percent larger in volume than those in the corresponding period in 1936. Industrial expansion accounts for this increase, and its influence doubtless will more than offset the contribution of domestically derived oil to this year's supply.

It would be possible for foreign producers of tung oil to lay a heavy handicap on the purposed development of a tung oil industry in the United States. This is not however probable; organization of the Chinese industry for such an objective, or for almost any other, would be difficult. Such a purpose cannot be consummated if American consumers of tung oil be neither shortsighted nor of short memory should they be offered the attraction of low prices. Today is only today; tomorrow is a long, long time; and bargains are not everlasting.

The more important objective in the development of a tung oil industry in the United States is the supplying of an oil of superior quality, rather than early competition with foreign oil in quantity. Many possibilities of improving the quality of industry's supply of tung oil are available to the domestic industry. The efforts of growers of tung nuts and those of producers of tung oil are being directed to the realization of these possibilities. Industrial consumers of this oil should not need to be told that adjustment of their processes to the better oil will be distinctly advantageous, and it will be profitable even in the face of the cost of bringing imported oil into condition adapted to the changes in its utilization.

—O-P-D—

Rockefeller Lived Long

John D. Rockefeller's life ended a few years short of the century which he was reported to desire to complete. He lived so long, however, that his place in the national spectacle was changed variously, and his death was not that of the industrial leader or outstanding financial figure who would have passed three or more decades ago, but that of a man old in years, homely in wisdom, and honorable in philanthropies.

John D. Rockefeller was a creature of his times. In the era of emphasized rugged individualism, he was of the most rugged. In the days of severe commercial competition, he was a competitor whose practices fell not short of the usual. He builded with a stern, strong hand, but in his building there was vision, and he lived to see the production and sale of "coal oil" grow into the widely diversified petroleum industry that is among the foremost of man's enterprises.

John D. Rockefeller changed under the changing influences of changing times. Age mellowed him in many respects, but its influence derived as much from what he came to see and to realize in the world about him as it did from any physical processes within. He was the last of a vigorous group whose exploits are today regarded in a light that was not of their times. He lived long enough to accept the new concept as the better and to be guided by it.

EIGHTY-EIGHT YEARS OF EXPERIENCE

PFIZER QUALITY

RECEIVED
JUN 2 1937
LIBRARY
THE CHEMISTS' CLUB

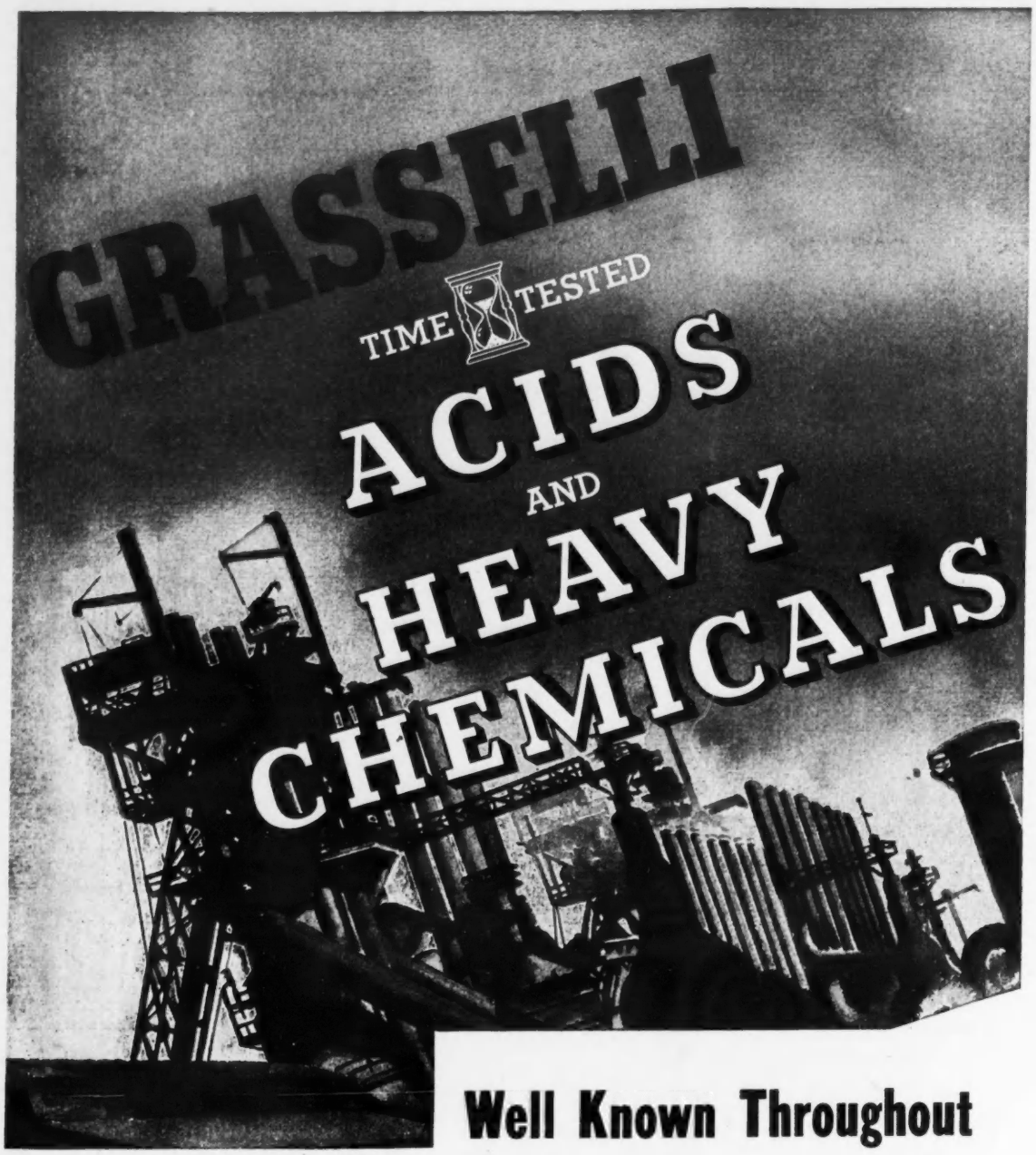
Calomel

Mercury Oxide

Corrosive Sublimate

Ammoniated Mercury

CHAS. PFIZER & CO., INC.
Manufacturing Chemists
81 MAIDEN LANE, NEW YORK
444 W. GRAND AVE., CHICAGO, ILL.



Well Known Throughout National Industry for Quality and Uniformity

• The name "GRASSELLI" has been well known to American industry for nearly a century; our many years of experience in manufacturing chemicals for many and varied trades has won industry's preference.

And, today, as then, Grasselli offers the finest, most efficient, time-tested chemicals available. Specify GRASSELLI brand when ordering chemicals.

PROMPT DELIVERY

E. I. DU PONT DE NEMOURS & COMPANY, INC.

DU PONT REG. U. S. PAT. OFF.

GRASSELLI CHEMICALS DEPARTMENT
Wilmington, Delaware

GRASSELLI FOUNDED 1839 REG. U.S. PAT. OFF.

Albany, Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Milwaukee, New Haven, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, St. Paul

San Francisco, 584 Mission Street Los Angeles, 2260 E. 15th Street

Represented in Canada by CANADIAN INDUSTRIES, LTD., General Chemicals Division, Montreal and Toronto

Insecticide, Disinfectant Ass'n Meets June 7-8

Sales, Specifications, Legislation To Be Considered at Midyear Sessions

Insecticide and disinfectant sales, specifications, and testing, plus an extensive discussion of recent legislation affecting these industries, will be the keynote of the program for the twenty-third midyear meeting of the National Association of Insecticide and Disinfectant Manufacturers, in the Edgewater Beach hotel, Chicago, June 7 and 8.

W. B. Eddy, of the Rochester Germicide Company, Rochester, N. Y., president of the association, will make the opening address at the first session, and the subject of his speech will be, "Exactly as Misrepresented." John H. Wright, secretary of the association and chairman of its legislative committee, will give a detailed report on "Recent Legislation." Dr. W. H. Tisdale, head of the pest control research section of E. I. du Pont de Nemours & Co., will be another leading speaker at the opening session, speaking "on Recent Progress in the Development of Insecticides and Disinfectants."

In the afternoon J. L. Brenn, of the Huntington Laboratories, Huntington, Ind., vice-president of the association, will preside. Among the speakers listed are:—F. W. Reynolds, of the National Bureau of Standards, on "Commercial Standards"; B. G. Philbrick, of Skinner & Sherman, Inc., Boston, on "Six Months in the Disinfectant Field"; Dr. George F. Reddish, of the Lambert Pharmacal Company, St. Louis, on "Current Differences in the Testing of Disinfectants"; C. L. Weirich, of the C. B. Dolge Company, Westport, Conn., leader in a symposium on "Sanitary Supplies"; J. L. Brenn, on "Specifications for Disinfectants," on which subject Dr. Emil Klarmann, of Lehn & Fink, Inc., Melvin Fuld, of Fuld Brothers; Jack Varley, of Baird & McGuire, Inc.; J. H. Carpenter, of the Koppers Company, and W. A. Hadfield, of General Laboratories, will also speak.

On the second day the leading speakers will include Christopher A. Murray, of the Baldwin Laboratories, Inc., on "An Analysis of Fly Mortality Data"; H. A. Thomas, of the Shell Petroleum Corporation, on "Product Capacities and Consumer Sales Education for Household and Livestock Sprays"; William F. Kroneman, of the Sherwood Petroleum Company, on "Are We Ostriches?"; Wallace Thomas of the Gulf Refining Corporation, on "Insecticide Specifications and Standards"; Dr. Alfred Weed, of John Powell & Co., on "Testing Insecticides," and Robert F. Wilson, on "Dealer Relationships."

In the afternoon there will be papers by Richard K. Hines, of the Vick Chemical Company, on "The Robinson-Patman Act and State Fair Trade Acts"; F. W. Moburg, of the Rex Research Corporation, on "Problems in Selling Insecticides"; Dr. Howard W. Haggard, of Yale University, on "Toxicity of Volatile Hydrocarbons"; Dr. E. G. Thomssen, of the J. R. Watkins Company, leader in a symposium on "Disinfectants as Tree Sprays."

Group luncheons are to be held each day during the meeting. The meetings will close with an informal beefsteak dinner and floor show in the Edgewater Beach hotel. The banquet and other entertainment is in charge of R. O. Jackson, of the West Disinfecting Company, Chicago.

The golf tournament in connection with the convention will be held June 6 at the Bon-Air Golf and Country Club, near Wheeling, Ill. Buses will convey the players from the convention hotel to the club, leaving at 12:30 p. m. Luncheon will be served at the club, and play will start at 1:30 p. m. A charge of $3.50 will be made, covering greens' fees and luncheon. The prizes will be numerous. Arrangements are in the hands of R. S. Solinsky, of the National Can Company, 135 South La Salle street, Chicago. The same afternoon there will be a group cross-country horseback ride, headed by Mr. Jackson.

Gustavus J. Esselen, president of the Boston consulting firm of Gustavus J. Esselen, Inc., sailed from New York for Nice, France, on the Italian liner Rex, May 29. He will visit France, Germany, and England on business and will return about the middle of July.

Heavy Chemicals

Broad Demand for Anhydrous Ammonia, Calcium Chloride and Chlorine—Alkalies Continue Firm—Sulphuric Acid Prices Stronger—Tin Salts Lower—Fluorspar Active

Demand for heavy chemicals was a pace slower during the week just closed. This slower call reflected the depressed seasonal influences being felt on production schedules of certain basic manufacturing units. However, the letdown failed to reach seasonal proportions, the unfilled orders on the books of some manufacturing industries offsetting the seasonal influences to an extent. On the other hand, a heavy seasonal demand was noted for chloride, anhydrous ammonia, calcium chloride and certain insecticides.

Reports on industrial operations revealed that a lower operating ratio was noted in the steel industry, the rate being at 91 percent of capacity, compared with 92 percent in the preceding period, but no sharp drop was expected in the operating rate over the summer months, barring labor unsettlement in certain independent plants of a long, drawn-out nature. Automobile manufacturers were curtailing production, preparing to change over for 1938 models. Some units in the textile industry were reported to have a good volume of unfilled orders on the books. Business from the ceramic, paper and glass trades continued good. Alkalies remained firm. Arsenicals also displayed a firm tone. Sulphuric acid shipments were substantial, the market price tone was decidedly strong. Tin salts were lower. Fluorspar was active.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Sodium stannate, ½c. per lb.
Tin crystals, ½c. per lb.
anhydrous tetrachloride, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.3	154.3	154.3	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Alums. — A good inquiry was reported for ammonia and potash alums during the week just closed. Sellers reported quotations were decidedly firm. The good call could be attributed to seasonal influences. Business in commercial and iron-free sulphate was fairly good. No change was uncovered in quotations.

Ammonia, Anhydrous. — Seasonal shipments were noted here, sellers reporting a substantial volume of business on the books for delivery over the Summer months. Quotations displayed a decidedly firm tone.

Ammonia, Aqua. — Shipments were moving against contracts at an irregular pace throughout the week, season influences on production schedules of industries consuming this product, accounted for the highly irregular call. Prices were steady.

Ammonia, Bicarbonate. — Demand was quiet again last week. Prices were steady to firm.

Antimony.—The market for antimony metal continued quiet. Sellers reported no change in prices. Declared exports of antimony regulus from China to the United States, as reported by cable by American consular offices, were 45 long tons in April, against 10 tons in March; of oxide, 17 tons, against 15 tons in March; of crude, 55 tons, against 7½ tons in March. Of this 10 tons of crude were from Shanghai and the rest was from Hankow. Hunan production was 1,100 tons in April, and by the end of the month stocks were 3,790 long tons, against 3,004 tons at the end of March, of which 1,900 tons were at the mines, none at Hankow, and 1,890 tons at Changsha. There were no exports of antimony from Changsha in April. From reliable sources it has been reported that the Antimony Administration of the National Resources Commission, in order to strengthen its control over the antimony trade, introduced certain changes effective January 1, 1937. After December 31, 1936, no further permits were to be issued by the National Resources Commission to private commercial firms for the shipment of antimony from Hunan province, all permits henceforth to be issued solely to the Antimony Administration. An office was set up in Hankow styled The Antimony Administration and the Hankow foreign trade office of the National Resources Commission. The function of the Hankow office is to receive and execute orders from local commercial firms exporting antimony, and from firms abroad wishing to purchase antimony. As soon as the old stocks of antimony, approximately 2,000 tons, have been exported from the country, local firms will have no way, other than purchase through the Hankow Foreign Trade Office of the National Resources Commission, to obtain antimony stocks. There is considerable opposition to the Antimony Administration in Hunan, the Changsha dealers being very much opposed to the new measures, since they are to be eliminated entirely from the antimony trade, and the miners and smelters in Hunan are reported dissatisfied. The miners and smelters feel that the Administration will absorb profits which should accrue to themselves. As a weapon to oppose the Administration, the miners and smelters have agreed to make no sales to the Administration and to limit production in Hunan, according to local dealers. The estimated production in Hunan declined from 1,200 long tons in December, 1936, to 650 tons in January, 1937, but rose again to 1,100 tons in March. Up to the end of March stocks at the mines increased rapidly while stocks at Changsha and Hankow virutally were depleted. Exports from Changsha declined sharply and actually ceased in April. The April statistics on stocks reveal a movement of metal from the mines to Changsha, but the significance of this move is not revealed in the cable received from the American consulate.

Arsenic.—A fair buying movement was noted for this product again last week, sellers reporting prices for white arsenic were firm. There was little to report in the market for red arsenic, demand was spotty and quotations unchanged.

Barium Salts.—There was a fair demand for carbonate, sellers reporting quotations were steady. The call for chloride held up well for this period of the year. No change was disclosed in hydrate and nitrate products.

Bleaching Powder.—Shipments were moving against contracts at a good pace throughout the week. No change was uncovered in quotations. A firm price tone was a reflection of the good volume of business on the books for forward delivery.

Blue Vitriol.—This market continued to note a good buying movement, the call reflecting seasonal influences. A decidedly firm tone was in appearance. The basic metal market continued to show a firm tone. Business thus far this season makes a favorable comparison with the same time a year ago.

Calcium Chloride.—A broader demand was reported for this product during the period under review. Sellers reporting quotations were decidedly firm. The call was strictly of a seasonal nature, with the warmer weather stimulating demand.

Carbon Tetrachloride. — Shipments moving for the account of the cleaning fluid companies continued at a good pace. A steady to firm price tone prevailed.

Chlorine.—This market was active, producers reporting a substantial volume of business on the books for forward delivery. A decidedly firm tone was in evidence. According to a report from the American consulate office at

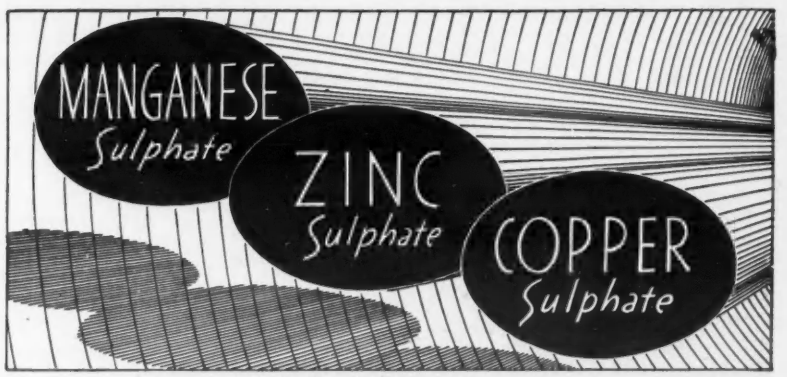
Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Potassium Meta Bisulphite
JUNGMANN & CO., Incorporated
BArclay 7-5128
157 Chambers Street New York

PIONEER
SUPPLIERS OF CHEMICALS FOR OVER 70 YEARS
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & CO.
38 EXCHANGE PL., PROVIDENCE R. I.
630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET AVE., CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

BARIUM HYDRATE
LAPORTE BRAND
High Grade Quality for Manufacturers of Glass, Accumulators, Paints, Colors and for Delustring Silk
STOCKS AVAILABLE FOR PROMPT DELIVERY FROM
HENRY SUNDHEIMER, INC.
Telephones: AShland 4-4817-4818 103 PARK AVE., NEW YORK, N. Y.



Write for Free Booklets
TENNESSEE CORPORATION
ATLANTA, GA.- LOCKLAND, O.-IN FLORIDA, U.S. PHOSPHORIC PRODUCTS CORP., TAMPA

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

SODA ASH AND CAUSTIC SODA

The first Soda Ash manufactured in this country was produced by The Solvay Process Company at its Syracuse Plant over 55 years ago. Since that time the Company has been continuously producing alkalies which have established the standard of quality for the industry.

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK

Branch Sales Offices

Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Indianapolis, Kansas City, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, Syracuse

DU PONT

REG. U. S. PAT. OFF.

R & H INDUSTRIAL CHEMICALS

ACCELERATORS
Diphenylguanidine
Diortho Tolyl Guanidine
Triphenylguanidine
ACETANILID
ACETONE
C. P. and Methyl
ACID, PHOSPHORIC
Various Grades
AMMONIUM CARBONATE
Lump and Powder
AMMONIA, SAL
Granular White 99-100%
Gray, Fine and Coarse
ANTIMONY OXIDE
ARSENIC, RED
BARIUM CHLORIDE
BARIUM HYDRATE
BICHROMATE
Soda and Potash
BORAX
BORACIC ACID
CAFFEINE ALKALOID
CARBON TETRACHLORIDE
CHROMIC ACID
COPPER CARBONATE
52-54%
CYANIDE, POTASSIUM
ETHYLENE DICHLORIDE
FELDSPAR, "CHEMI-TROLD"
FORMIC ACID
IRON BY HYDROGEN
IRON CHLORIDE
LITHIUM SALTS
MANGANESE CHLORIDE
NAPHTHALENE
NICKEL SALTS, SINGLE AND DOUBLE
NICKEL CHLORIDE
NITRITE SODA
OXALIC ACID
PARADICHLOROBENZENE
OXALATE AMMONIA
OXALATE POTASH
BINOXALATE POTASH
BICARBONATE POTASH
CAUSTIC POTASH
Fused, Broken, Ground and Flakes
CARBONATE POTASH
Liquid, Calcinated and Hydrated
PERMANGANATE POTASH
RED PRUSSIATE POTASH
YELLOW PRUSSIATE POTASH
YELLOW PRUSSIATE SODA
SODA ACETATE
SODA ASH
SODA BICARBONATE
SODA CAUSTIC
SODA SILICO FLUORIDE
ACID SODA FLUORIDE
SODA FLUORIDE
STEARATES
Aluminum, Calcium, Magnesium and Zinc
SULFUR CHLORIDE
SULFUR DIOXIDE
TETRA SODA PYROPHOSPHATE
TRISODIUM PHOSPHATE
ZINC CARBONATE
ZINC CHLORIDE

Also refrigerants, non-flammable solvents, cyanides, formaldehyde, active oxygen products, ceramic chemicals, etc.

Write for current price list giving prices on these and other chemicals

THE R. & H. CHEMICALS DEPT.
E. I. DU PONT DE NEMOURS & CO., INC.
Empire State Bldg., N. Y. C.

Quarterly PRICE LIST

NICHOLS Copper Sulphate

TRIANGLE BRAND

Recommended for its Purity and Uniformity

99% Pure

Nichols Triangle Brand Copper Sulphate is offered in Large or Small Crystals and Pulverized. Packed in 100 lb. waterproof bags and 450 lb. barrels.

NICHOLS COPPER CO. COPPER SULPHATE NEW YORK

NICHOLS COPPER COMPANY
Unit of the Phelps Dodge Corporation
Sales Offices: 40 Wall St., New York, 230 N. Michigan Ave., Chicago
Works: Laurel Hill, N. Y., El Paso, Texas

Helsinki, production of chlorine is scheduled to commence late in 1937 in western Finland, at Aetsa, where a plant is being constructed with a capacity of 5,000 metric tons.

Copper.—A fairly active market was noted here. Sellers reported prices continued firm. The Navy Department awarded a contract of 1,025,000 pounds at a price of 14.175c. per pound for 975,000 pounds and 14.05c. per pound for 50,000 pounds.

Copperas.—A good inquiry continued in evidence for this market during the week. A firm tone was in evidence. Sellers reported the statistical position of the market, as far as supplies were concerned, was favorable to the presence of a firm tone. Steel mill operations were slightly lower at 91 percent of capacity.

Feldspar.—The ceramic industry continued to experience a good demand. No change was disclosed in quotations.

Fluorspar.—Business in this market continued at a god clip. The high level of activity in the steel industry and the continuance of a favorable production schedule in the ceramic industry accounted to the active demand. Prices were strong.

Manganese Ore.—A nominal price continued for this product. Of the 180,000 metric tons (187,755 short tons imported in 1935) of manganese ore required annually by Japan, domestic production supplies 50,000 tons. U.S.S.R. 30,000; British India, 70,000; China, 20,000, and Malaya, 10,000. A report that the U.S.S.R. has ceased to export manganese ores because of its own armaments requirements will affect Japan. It is also said that during October, 1936, the Japan iron works mentioned acquisition of manganese mining rights in Brazil. This company is the Government-owned leader of the iron and steel industry and imports between 70,000 and 80,000 tons of manganese ore annually. According to the Consul General at Tokyo.

Nickel Salt.—Business continued on a fair scale throughout the week. The call coming from the electro-platers at a pace indicate of continuance of a favorable production schedule. Prices ruled firm.

Potash, Caustic.—Demand in the market was good, the call from chemical processors conveying the impression production schedules were at a good rate. Prices continued firm.

Potash Chlorate. — Shipments were moving to match manufacturers at a fair pace, with some inquiries noted from the fireworks industry. Prices were well maintained.

Potash Permanganate.—This market revealed little improvement during the week. No change was disclosed in quotations.

Saltcake.—This product moved out to routine consumers in the glass and paper trades at a good pace. Quotations were well held.

Soda Ash.—A heavy demand was reported for this product at times during the week. Prices were well maintained. And a good volume of business was on the books for delivery during the rest of this quarter.

Soda, Caustic.—A decidedly firm tone prevailed in this market throughout the week, the firmness in the price tone reflecting a favorable movement for this period of the year. Quotations were unchanged.

Soda Chlorate.—Business in this market was fairly good, seasonal influences playing a prominent part. No change was uncovered in quotations.

Soda Cyanide. — Shipments were moving out to the plating trade at a good pace. Prices were well sustained.

Soda Phosphate. — A good inquiry was noted at intervals for tri-basic soda phosphate, sellers reporting prices were firm. There was little to report in the market for di-basic material. No change was uncovered in quotations.

Soda Stannate.—A slight decline was noted in this product, sellers were quoting 36c. to 39c. per pound, the lower value being attributed to a decline in the basic metal.

Tin Salts.—A decline in Straits tin brought about a reduction in tin crystals. Anhydrous tetrachloride of tin was also lower. Demand was spotty. World apparent consumption of tin in March, 1937, was over 19,000 tons, against 14,600 tons in the previous month, according to statistics just published by the International Tin Research and Development Council. The total consumption in the first quarter of the current year was 49,432 tons, against 39,999 tons in the corresponding period of 1936, and the quantities of tin produced in these periods were, respectively, 44,110 tons and 39,065 tons.

Acids

Business in the market for mineral acids continued good during the week just ended. Manufacturing consumers continued to order out full contract allotments in most instances. Sulphuric acid continued as the outstanding feature, shipments moving out of production. Muriatic acid was firm. A substantial inquiry was reported for nitric acid. Demand for battery acid was favorable. Oxalic acid displayed a firm tone. A seasonal buying movement was noted from the beverage trade in the lactic acid market. Quotations for acetic acid held steady to firm.

Acetic.—This market continued to experience a fair demand again last week. Quotations were well maintained.

Battery. — Business here presented little change, demand was fair and a steady to firm tone was noted.

Boric.—This market continued to note a good demand throughout the week. A decidedly firm tone was in prominence.

Chromic.—Platers were withdrawing a fair amount of business against contracts, and a firm tone prevailed.

Formic. — Shipments were moving against contracts at a good pace during the week. A steady to firm price tone was noted.

Lactic.—Beverage trade continued to order out a fairly good volume of business, and the tanning industry was purchasing in a cautious manner. Prices were unchanged.

Muriatic. — This situation offered little change during the week, shipments against contracts continued at a pace sufficient to give the market a firm tone.

Nitric.—A good inquiry was reported for this product, dealings being featured by a decidedly firm tone.

Oxalic. — A favorable buying movement was noted here. Quotations ruled firm.

Sulphuric. — A substantial inquiry was reported again last week, the volume of business being of an aggregate sufficient to give the market a decidedly strong price appearance. Steel mill operations were at 91 percent of capacity. Automobile production was being tapered off.

Baltimore, May 26.—The situation with respect to sulphuric acid continues unchanged, with an absence of available free acid, and with talk of inability to do more than take care of the requirements of consumers under contract featuring the trade. It is still the contention of acid makers that inquiries outside of the regular channels cannot be supplied at any price, while the nominal quotations are unchanged at $12.50 per ton for 60 degree and at $15.50 per ton for 66 degree acid. But since new production facilities are scheduled to go into operation shortly, the nominal quotations may soon be changed into figures based on actual business done. Still, with the requirements of steel makers and other users as large as they have been and a further increase not out of consideration, the new output may go no farther toward overcoming what appears to be an actual shortage than the previous conditions were. As far as the manufacturers of fertilizer mixtures go, their acid requirements may undergo a contraction in view of the quiet that usually prevails during the Summer, but producers of acid continue to look for a firm price structure, with the possibility of an advance in the quotations by no means excluded. Oleum is holding at the previous figure of $17 per ton for 20 percent stocks.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Insecticides

Business in the market for agricultural insecticides and fungicides continued good throughout the week. Prices generally were firm. The market was without a specific price feature. The Government week weather bulletin as regards cotton follows:—In the cotton belt the week was warmer than normal. Light to moderate rains were general from the Mississippi Valley eastward, but in much of the western belt, especially most of Texas, there was very little precipitation. The week was generally favorable in eastern half of the belt and in the northwest, but it continues too dry in much of the southwest.

Calcium Arsenate. — Demand continued good during the week. Prices remained firm.

(Continued on page 33)

Unfailingly DEPENDABLE
and UNIFORM the year 'round
ALKALI
DIAMOND uniform ALKALIES
58% SODA ASH • BICARBONATE OF SODA • 76% CAUSTIC SODA
CARBON TETRACHLORIDE • LIQUID CHLORINE
SPECIAL ALKALIES • DIAMOND SODA CRYSTALS
DIAMOND ALKALI CO. • PITTSBURGH, PA., and Everywhere

Barrett CHEMICALS

* POLAR NAPHTHALENE FOR LACQUER MANUFACTURERS

• PRIME WHITE FLAKES

• FREE FROM OILS AND OTHER EXTRANEOUS MATTER

• AN EXCELLENT CRYSTALLIZER

*Trade-mark of The Barrett Co., Reg. U. S. Pat. Off.

THE BARRETT COMPANY
40 RECTOR STREET, NEW YORK, N. Y.
Write for Quotations

Coaltar Chemicals

Sharp Advance in Cresylic Acid—USP Cresol Higher—World-Wide Shortage Causes Rise in Pyridin—Crude Naphthalene Continues Quiet—April By-Product Output Shows Seasonal Decline

Demand for coaltar chemicals continued active during the week just closed. Price features in the market included an advance in USP cresol, cresylic acid and pyridin. Benzol demand was considered fair. Crude naphthalene was quiet. Solvent naphtha and toluol remained firm. Intermediates were in good call, and an irregular buying movement was noted for colors.

An advance in USP cresol, cresylic acid and pyridin prices for the second half-year was not unexpected, for a shortage of an acute nature has been prevalent in cresylic acid and pyridin for some time, the shortage not being confined to the United States but of world-wide scope. Demand for benzol indicated consumers were purchasing cautiously. Business in refined naphthalene was good. Intermediates continued firm. Colors reflected the mixed trend of operations in consuming industries.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cresol, U.S.P., 1c. per lb.
Cresylic acid, high boiling, 6c. per gal.
low boiling, 4c. per gal.
Pyridin, denat., 21c. per gal.
2 deg., 5c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	**126.7**	**126.7**	**126.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Coking coal charged in-by-products ovens in April amounted to 6,247,240 tons, against 6,452,517 tons in March and 4,992,997 tons in April a year ago. For the first four months the total was 24,700,050 tons against 18,968,066 tons, April tar production was estimated by the Bureau of Census at 57,599,552 gallons, against 59,492,206 gallons in March and 45,935,332 gallons in April a year ago. Total for the first four months was 227,734,461 gallons, against 174,885,568 gallons in the same period a year ago. Light oil April recovery was 18,116,990 gallons, against 18,712,299 gallons in March and 14,469,681 gallons in April last year. Total for the first four months was 71,630,145 gallons, against 55,007,381 gallons in the corresponding period a year ago. Ammonia sulphate, or its equivalent, was recovered in April to the extent of 69,820 tons, against 71,592 tons in March and 55,212 tons in April a year ago. Total for the first four months was 274,971 tons, against 208,980 tons in the same period a year ago. Benzol production was estimated at 10,328,000 gallons in April, against 10,737,000 gallons in March and 8,543,000 gallons in April a year ago. Total for the first four months was 40,956,000 gallons, against 31,453,000 gallons in the same period a year ago.

Basic Products

Benzol.—There was a good inquiry reported for benzol throughout the week just closed. Manufacturing consumers continued to cover for nearby production requirements, and export demand was good. Steel mill operations were estimated at 91 percent of capacity, compared with 92 percent in the previous period, according to Iron Age. Barring the possibility of shutdowns caused by strikes in some independent steel plants, Iron Age asserts, there appears to be no likelihood of any sharp reduction in steel output in June. Benzol April production amounted to 10,328,000 gallons, against 10,737,000 gallons in March and 8,543,000 gallons in April a year ago. For the first four months the total was 40,956,000 gallons, against 31,453,000 gallons in the same period a year ago. Coke production declined slightly during April when compared with production in March. The output of both byproduct and beehive coke amounted to 4,655,226 tons, or 156,746 tons per working day, a decrease of 0.9 percent in the daily rate. Daily production of pig iron increased 1.3 percent in April, the highest rate since October, 1929. The output of byproduct coke for the 30 days of April amounted to 4,348,826 tons, or 144,961 tons per day, compared with a daily rate of 144,986 tons in March. Furnace plants showed a gain of 1.9 percent, while merchant plants declined 5.7 percent. One plant ceased operation during the month. There was a greater reduction in beehive production than in byproduct, the daily output in April being 10.3 percent less than in March. Stocks of coke at byproduct plants rose substantially in April, increasing 22 percent at furnace plants and 14.7 percent at merchant plants.

Cresol.—Prices for this product have been advanced 1c. per pound to the level of 12c. per pound for U.S.P. cresol in car lot and 12½c. per pound in less than car lots.

Creosote Oil.—A heavy seasonal buying movement was quiet in evidence in this market during the week, sellers reporting prices were decidedly firm.

Cresylic Acid.—An advance was reported in quotations for this product, the schedule follows:—High boiling, car lots, 89c. per gallon; less car lots; 91c. per gallon; low-boiling, car lots, 92c. per gallon, and less car lots, 94c. per gallon. Special resin grade was priced at 10¾c. per pound for car lots and 11¼c. per pound for less car lots. Sharp rise in prices could be attributed to the scarcity.

Napthalene.—The market for crude naphthalene continued slow throughout the period under review. Reports in the trade were that offerings were freer from abroad. This situation could be accounted for by reason of the more ample supply of naphthalene for export from Germany, together with a broader domestic recovery in 1937, cutting down purchases of imported naphthalene. The market for refined naphthalene continued to note a good demand.

Phenol.—Shipments were moving out at a consistent pace throughout the week. The call came from the synthetic resin industry, petroleum trade and other routine sources. Quotations were firm.

Pyridin.—A world-wide shortage has been noted in this product for some time, the call having been broadened by a wider utilization of the product. Sellers were naming $1.55 per gallon for denaturing material and 45c. per pound for 2 degree material.

Solvent Naphtha.—A good demand was reported for industrial water white solvent naphtha. Prices were firm.

Toluol.—Demand was fairly good again last week. Prices ruled firm. Firmness in the price tone reflected to some extent the continuance of a good export demand. Reports from the automobile industry were that operations were being tapered off, due to the near approach of the change-over to 1938 models.

Xylol.—A good call was reported for this product. No change was disclosed in quotations.

Chicago Coaltar Bases

CHICAGO, May 27.—A market moderately active but without striking feature is that presented by the coaltar bases here. Buying of both motor and 90 percent benzol proceeds along rates sufficient to sustain the present price situation, it appears. Toluol is in fair demand at firm prices. Xylol has been moving out to buyers quite briskly. Ruling prices exclusive of tax are:—Benzol, 90 percent, 9½c. to 10½c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13c. to 13½c.

Coaltar Acids

Anthranilic.—A good inquiry was reported for this product. Prices were firm.

Broenner's.—This market was quiet again last week. No change wis disclosed in quotations.

Picric.—A firm tone prevailed in this

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

market, sellers were quoting 35c. per pound.

Salicylic.—Business in this market continued at a good pace, considering the season of the year. No change was disclosed in quotations.

Sulphanilic.—A firm tone prevailed in this market. Routine consumers furnished the inquiry. Quotations were without change.

Tobias.—Demand was quiet again last week. No change was uncovered in quotations.

Other Intermediates

Alphanaphthol.—Demand here continued fair during the week. Prices remained firm.

Anilin Oil.—A good inquiry was reported for this product. A firm tone was in evidence.

Dinitrobenzene.—Shipments were moving out in fair volume. Sellers reported quotations were steady to firm.

Dinitrotoluene.—A substantial buying movement continued in evidence for this product. Sellers reported no change in quotations.

Nitrobenzene.—Shipments were moving out in good volume throughout the week. A decidedly firm tone was in evidence.

Orthodichlorobenzene.—Demand here was sufficient to have sellers making shipments out of production. Prices were strong.

Paratoluidin.—This market displayed a firm price tendency, although the call was irregular.

Phthalic Anhydride.—Shipments were equivalent to actual production. Prices were firm.

Rochelle Salt.—Although the market was a rather quiet affair, prices retained a steady to firm tone.

Xylidin.—A firm tone continued in prominence. Sellers reported demand was good.

Coaltar Colors

Business in the market for coaltar colors continued at an irregular pace during the week just closed. Manufacturing consumers were gauging purchases by actual production requirements. A steady to firm price tone was in evidence. Domestic cotton cloth mills noted a slight recession in production, for sales have been running below output levels for some few weeks. Demand for yarns and cloths on the whole were slow. Many will still have a substantial volume of unfilled orders on the books, but others are facing, or soon will face, the choice of accumulating goods or curtailing output. Colors used in stains noted an irregular call, but prices were without change.

DuPont Employees Form Independent Organizations

Employees of E. I. duPont de Nemours & Co. in the plant at Waynesboro, Va., have organized United Workers, Inc., following the dissolution of the old works council, an employee organization that functioned prior to the decision of the Supreme Court of the United States in the Wagner labor relations act cases. United Workers is not affiliated with any national labor organization. Richard McKenna, its president, has issued an announcement to the effect that it has been officially recognized by the company as the bargaining agency for the Waynesboro employees, who number about 1,400.

Employees of the duPont Ampthill plant in Richmond, Va., have announced that 93 percent of a total of 4,600 favorable to the establishment of a workers' organization to succeed the old works council had declared for their own organization in preference to affiliation with a national labor body.

American I. G. Chemical Earnings at $4,684,768

Net earnings of the American I. G. Chemical Corporation for the fiscal year ended March 31, 1937, including a profit of $1,166,093 from sale of securities, amounted to $4,684,768, or $5.89 per common A share, compared with $3,302, 939, or $4.17 per share, for the previous year.

Interest requirements were earned 4.32 times. Out of earnings $750,000 was added to the debenture retirement fund and $400,000 reserved for contingencies. Total surplus aggregated $25,201,786.

Chemical Buyers Elect Van Voorhis Chairman

The Chemical and Allied Products Buyers' Group of the National Association of Purchasing Agents had its annual gathering as a luncheon session May 25 in the course of the convention of the national organization in Pittsburgh. The chairman, Howard W. Elkinton, of the Philadelphia Quartz Company, Philadelphia, presided.

There was little business in the session. Chairman Elkinton very briefly told of the growth of the group in keeping with the parent body. The election for officers was quite informal. Mr. Elkinton suggested the selection of Benedict Van Voorhis, of the DuPont Viscoloid Company, Arlington, N. J., as his successor as chairman, and this suggestion was unanimously endorsed. The selection of a secretary was left in the hands of the new chairman; Milton L. Draper, of E. I. duPont de Nemours & Co., Wilmington, Del., is the present incumbent.

The group heard a talk on "What Is New in Packaging in the Chemical Industry," by Hugh Craig, managing editor of the OIL, PAINT AND DRUG REPORTER, who briefly described a number of recent developments in steel drums, tin cans, packaging machinery, and cleansing and sampling equipment, exhibiting specimens and showing pictures of various articles.

R. W. Lahey, of the American Cyanamid Company, New York, addressed the group on "Importance of the Paper Bag in the Chemical Industry," presenting a variety of these containers for inspection and showing a motion picture of the manufacture, filling, and use of paper bags.

The papers by Mr. Craig and Mr. Lahey will be printed in early numbers of the REPORTER.

Buffalo P.V.L.A. Elects

The Buffalo Paint, Varnish and Lacquer Association, at its annual meeting, elected the following officers:—President Henry J. Birtch, succeeding John C. Buchholtz; vice-president, J. C. Roth; treasurer, Homer H. Steele; secretary, Milton Black. Elected to the executive committee are:—H. C. Brown, G. B. Lionell, J. O. Meyer, and G. L. Ginther.

A report on the annual paint up and clean up drive, which was held from May 10 to May 22, was given by John J. Ayrault. For the twenty-fifth year, the drive was headed by Dr. Francis E. Fronczak, health commissioner of Buffalo.

Heavy Chemicals

Insecticides

(Continued from page 31)

Lead Arsenate.—A firm tone prevailed in this market during the week, no change was disclosed in quotations. Shipments were good.

Nicotine Sulphate.—A favorable interest was noted for this product. A steady to firm tone prevailed.

Interchemical Elects Officers

Interchemical Corporation, formerly the International Printing Ink Company, has elected the following officers:—Chairman of the board, DuVal R. Goldthwaite, formerly president of the old company; president, E. W. Pittman, formerly vice-president; vice-president and secretary, H. B. Woodman. The International Printing Ink Company, which will be operated as a division of the Interchemical, will be under Bromwell Ault, who has been elected president.

J&L LIGHT OIL DISTILLATES

COMMERCIALLY PURE BENZOL
90% BENZOL • CXP BENZOL
XYLOLS (SOLVENT NAPHTHA)
REAGENT BENZOL • PURE TOLUOL
SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH, PENNSYLVANIA

KOPPERS

In many ways, Koppers is better fitted to serve the chemical and process industries than any other company.

It knows the problems of the chemical manufacturer, because it is a manufacturer of chemical products, including Benzol, Toluol, Xylol, Solvent Naphtha, Phenol, Cresol, Cresylic Acid, and Naphthalene.

It knows operating problems because it designs and builds many types of machinery and equipment used in producing chemicals.

Koppers is a large manufacturer of roofing, waterproofing, dampproofing, paints, paving materials and similar products.

It produces many types of special machinery, pipe, platework, materials-handling equipment, fire hydrants, piston rings, and is the only manufacturer of Fast's self-aligning Couplings for power shaft connections.

It knows the problems of metal corrosion and wood destruction, because it manufactures corrosion-inhibiting paints and is an important treater of wood.

Let the Koppers men work with you on your problems.

KOPPERS COMPANY • PITTSBURGH, PA.

Koppers Chemicals and Solvents

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U.S.P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pure, high-boiling) . . . Naphthalene Insecticide Grades—98%, pale low-boiling. . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

Other Koppers Products

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants By-Product Recovery Apparatus . . . Sulphur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints Coal . . . Coke . . . Fast's self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Treated Lumber . . . Special Machinery

KOPPERS DIVISIONS, SUBSIDIARIES AND AFFILIATES—American Hammered Piston Ring Division . . . Bartlett Hayward Division . . . Boston Towboat Company . . . Eastern Gas and Fuel Associates . . . Engineering and Construction Division . . . Gas and Coke Division . . . The Koppers Coal Company . . . Koppers-Rheolaveur Company . . . The Maryland Drydock Company . . . Mystic Iron Works . . . Mystic Steamship Company . . . National Lumber and Creosoting Co. . . . New England Coal and Coke Company . . . Tar and Chemical Division . . . Western Gas Division . . . The White Tar Company of New Jersey, Inc. . . . The Wood Preserving Corporation.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-forty-third Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

6-Acetaminobetanaphthol-4-sulphonic Acid

Dye

In dye syntheses
Starting point (Brit. 445999) in making—
Chromable orthohydroxy azo dyes by coupling with orthohydroxydiazonium compounds, such as those derived from 6-nitro-2-aminoparacresol or 4-chlor-2-aminophenol-6-sulphonic acid

1-Amino-4-methoxyanthraquinone

Dye

In dye syntheses
Starting point (Brit. 449477) in making—
Orange to red vat dyes by condensing with 4:6-dichlor-1:3:5-triazins carrying a halogenophenyl or alkoxyphenyl substituent in position 2

1-Amino-5-benzamidoanthraquinone

Chemical

In organic syntheses

Dye

In dye syntheses
Starting point (Brit. 449263) in making—
Yellow vat dyes with—
4-(2':4'-dicarboxyphenyl)-7:8-phthaloyl-2-acridone acid chloride
Paracarboxylphenyl-4-paratolyl-7:8-phthaloyl-2-quinolone acid chloride, normal
4-Paracarboxylphenyl-7:8-phthaloyl-2-quinolin acid chloride
7:8-Phthaloyl-2-quinolone-3-carboxylic acid
7:8-Phthaloyl-2-quinolone-5-carboxylic acid
Starting point (Brit. 449477) in making—
Orange to red vat dyes by condensing with 4:6-dichlor-1:3:5-triazins carrying a halogenophenyl or alkoxyphenyl substituent in position 2

6-Benzaminobetanaphthol-4-sulphonic Acid

Dye

In dye syntheses
Starting point (Brit. 445999) in making—
Chromable orthohydroxy azo dyes by coupling with orthohydroxydiazonium compounds, such as those derived from 6-nitro-2-aminoparacresol or 4-chlor-2-aminophenol-6-sulphonic acid

3-Chlor-1-nitro-4:6-diethoxybenzene

Chemical

In organic syntheses

Dye

In dye syntheses
Starting point (U.S. 1984739) in making—
Anilins and anilides used in making ice colors

3-Chlor-1-nitro-4:6-diphenoxybenzene

Chemical

In organic syntheses

Dye

In dye syntheses
Starting point (U.S. 1984739) in making—
Anilins and anilides used in making ice colors

Dimethylbetahydroxyethyldodecylthiomethyl-Ammonium Chloride

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
Bactericide Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
Fungicide

Dimethyldodecylthiomethyl-Ammonium Chloride

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
Bactericide Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
Fungicide

Heptylresorcinol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents for use in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and nonaromatic secondary amines (the salts of the products with water-soluble acids or water-insoluble acids, and the quarternary ammonium salts, are claimed to be valuable for the purposes named)

2-Hydroxy-5-cyclohexylanilin

Dye

In dye syntheses
Starting point (Brit. 448872) in making—
Cobalt dyes

Laurylresorcinol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents for use in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and nonaromatic secondary amines (the salts of the products with water-soluble acids or water-insoluble acids, and the quarternary ammonium salts, are claimed to be valuable for the purposes named)

Magnesium Chloride

(Continued from May 24 issue)

Plastics

Plasticizing agent (French 700507) for—
Casein, prior to molding
Process material in making—
Buttons (U.S. 1427103)
Casein products (U.S. 1431937)
Lignoprotein plastics (U.S. 1464949)
Various plastics

Printing

Process material in making—
Printer's rollers
Printing plates (U.S. 1519004)

Rayon

Mordant in—
Dyeing acetate rayon
Precipitant for—
Viscose
Reducer of—
Inflammability of cellulose nitrate

Refractories

Ingredient of—
Furnace lining (U.S. 1444527)
Refractory brick (U.S. 1451540)
Kiln lining

Refrigeration

Ingredient of—
Refrigerator linings
Low-freezing point refrigerating medium consisting of admixture with potassium or ammonium chloride in aqueous solution (French 645054)

Rubber

Coagulating agent for—
Latex

Soap

Process material in making—
Glycerin (U.S. 1511754)
Soap (U.S. 1502547)
Treating agent for—
Waste waters to recover fatty acids

Sugar

Ingredient of—
Admixture with limestone for purifying waste waters

Textile

Bleaching agent for—
Cotton
Raw silk (U.S. 1491228)
Carbonizing agent (U.S. 1425520) for—
Fabrics
Filler and fireproofing agent (U.S. 1427941) in making—
Tent fabrics
Ingredient of—
Admixture with limestone for purifying waste waters of dyeworks
Admixture with sodium peroxide for bleaching textile fabrics (French 511698)
Mordant in—
Dyeing acetate rayon
Dyeing cotton
Reducer of—
Inflammability of cellulose nitrate
Treating agent (U.S. 1427941) for—
Underwriter's cloth

Tobacco

Treating agent for—
Tobacco

Water and Sanitation

Disinfecting agent for—
Latrines, cesspools, and drains
Precipitant for—
Sewage
Reagent (U.S. 1499795) in making—
Artificial zeolites (water-softening agents)
Softening agent for—
Sewage

Wood

Ingredient of—
Compositions for filling tree cavities
Compositions for treating and preserving dock piling, mine timbers, railroad ties
Wood preservatives and impregnators
Fireproofing agent—
Fireproofing agent and preservative (French 579647)

Methyldiethyldodecylthioethyl-Ammonium Iodide

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
Bactericide Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
Fungicide

2-Nitro-5-aminobenzotrifluoride-4-sulphonic Acid

Dye

Intermediate (Brit. 446532) in making various dyestuffs

Paratoluenesulphonamidobetanaphthol-4-sulphonic Acid

Dye

In dye syntheses
Starting point (Brit. 445999) in making—
Chromable orthohydroxy azo dyes by coupling with orthohydroxydiazonium compounds, such as those derived from 6-nitro-2-aminoparacresol or 4-chlor-2-aminophenol-6-sulphonic acid

7:8-Phthaloyl-2-quinolone-3-carboxylic Acid

Chemical

In organic syntheses

Dye

In dye syntheses
Starting point (Brit. 449263) in making—
Orange vat dyes with 1-amino-4-benzamidoanthraquinone
Reddish-brown vat dyes with 4:8-diaminoanthrarufin
Yellow vat dyes with 1-aminoanthraquinone

Octylresorcinol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents for use in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and nonaromatic secondary amines (the salts of the products with water-soluble acids or water-insoluble acids, and the quarternary ammonium salts, are claimed to be valuable for the purposes named)

7:8-Phthaloyl-2-quinolone-5-carboxylic Chloride

Chemical

In organic syntheses

Dye

In dye syntheses
Starting point (Brit. 449263) in making—
Yellow vat dyes with 1-aminoanthraquinone

6-Propaminobetanaphthol-4-sulphonic Acid

Dye

In dye syntheses
Starting point (Brit. 445999) in making—
Chromable orthohydroxy azo dyes by coupling with orthohydroxydiazonium compounds, such as those derived from 6-nitro-2-aminoparacresol or 4-chlor-2-aminophenol-6-sulphonic acid

Trimethyldodecylthiomethyl-Ammonium Chloride

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
Bactericide Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
Fungicide

Dyestuffs and Textile And Leather Chemicals

Sharp Advance in Wattle Bark—Mangrove Bark and Myrobalans Quiet — Dyestuffs Continue Dull — Zinc Dust Unchanged —Alumina Chloride Steady—Corn Derivatives Firmer

Business in the market for dyestuffs and tanstuffs continued quiet during the week just closed. Manufacturing consumers in all directions of the market were apparently endeavoring to hold down commitments to actual production requirements. Depressed seasonal influences played a prominent part in having consumers adhere to the hand-to-mouth policy. The price feature for the week was a sharp advance in wattle bark.

The sharp advance in wattle bark was not entirely unexpected, for the product has been advancing gradually since the inception of the Growers' Association, the function of which primarily was for the grading of the material, causing some of the inferior quality to be destroyed. Mangrove bark and myrobalans continued quiet. Quebracho noted a firm tone. Valonia also ruled firm. Dyestuffs were quiet, for certain units in the textile industry were entering the in-between season. Egg products were slow, reflecting depressed seasonal influences. Reports from the primary market indicated prices there were barely steady. Corn derivatives were decidedly strong, mirroring the sharp rise in corn futures to a 17-year high price. Bichromates were firm. Zinc dust was unchanged.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Wattle bark, $1 per ton.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.1	154.1	152.8	152.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Business in this market was fairly good during the week. Prices ruled steady to firm.

Antimony Salt.—There was little activity in this market again last week. Shipments were moving out for immediate production wants only, but quotations remained steady to firm.

Potash Bichromate.—A firm tone prevailed in this market again last week. Firmness in the price tone could be traced to continuance of fair amount of business against contracts.

Potash Prussiate.—Business in the market for red prussiate continued at a good pace throughout the period under survey. No change was disclosed in quotations. The call for yellow prussaite was fair, and a steady to firm price tone was in evidence.

Soda Bichromate.—This market presented little change during the course of the week under review. Manufacturing consumers were placing a moderate demand, and quotations displayed a decidedly firm tendency.

Zinc Dust.—Shipments were moving at a fair pace again last week. A steady tone was in evidence. The steadiness in price could be accounted for by the presence of a similar tone in the basic metal.

Dyestuffs

Annatto.—Prices were firm. No official annatto seed statistics are available but figures supplied by principal dealers and exporters indicated that the total Winter crop 1936-1937 (November-February) yielded about 90,960 kilos, as compared with 130,000 kilos for the Winter crop of 1935-1936. The quality of the seed has been satisfactory and home market prices have ranged from 30 to 32 sucres per quintal (101.4 pounds), as compared with from 30 to 34 sucres per quintal for last year's crop. According to unofficial figures exports of the 1936-1937 Winter crop amounted to 83,960 kilos valued at $8,681 against 108,061 kilos valued at $11,292 during the 1935-1936 crop season. The principal market for the Ecuadoran annatto seed Winter crop was Puerto Rico which consumed 45,137 kilos, followed by Denmark with 25,000 kilos, the continental United States with 12,893 kilos and Colombia with 930 kilos. It is reported that this year's summer crop will start in June and is expected to be normal. There are no stocks of annatto seed at present available for export according to the vice consul at Guayaquil.

Archil.—A firm tone prevailed in this market during the week just closed. Manufacturing consumers were ordering out supplies for nearby production requirements only.

Cochineal.—This market continued to experience a spotty demand throughout the week. Consumers continued to order out supplies in small volume, but sellers reported quotations were steady to firm.

Fustic.—Demand here was highly irregular throughout the period under review, the irregularity in buying could be traced to an effort on the part of consumers to hold down shipments to actual production requirements. No change was disclosed in quotations.

Indigo.—A fairly active demand was reported for synthetic indigo again last week, a decidedly firm tone was in evidence. Business in natural indigo was spotty. Sellers reported a firm tone was in evidence.

Logwood.—This market continued to experience a good demand throughout the week. A firm tone governed the dealings.

Madder, Dutch.—Although another dull week was noted in this direction, sellers reported quotations ruled firm.

Sizing Materials

Albumen.—Business in the market for edible egg albumen reflected seasonal influences, with the result that the dull demand failed to have an influence on the market pricewise. However, reports from the primary market told of a barely steady tone in the dealings there.

Dextrin.—A decidedly firm tone prevailed in the corn derivatives during the period under review. Manufacturing consumers were ordering out supplies in a cautious manner, apparently awaiting for a more settled basic grain market. Prices for corn futures reached a 17-year high.

Egg Yolk.—Business failed to show an improvement, this condition being due to the depressed seasonal influences. Prices ruled unchanged, although dealings in the primary market indicated that a barely steady price tone was in evidence.

Frozen Eggs.—The market on the New York Produce Exchange was quiet. June whole mixed futures closed on Friday at 17.00c. to 17.75c.; July 17.95c. asked; August 18.30c. asked; September 18.00c. nom.; October 17.75c. to 18.50c.

Starch.—A firm tone prevailed in the market for corn derivatives, reflecting a sharp rise in price for the basic material. The price for corn futures reached a 17-year high. Reports had it that there were indications the 1937 crop, as yet ungrown, would fail to meet the United States consumer requirements. At the same time other reports had it that the indicated 1936 corn available has been almost entirely used, and there was a possibility of no corn being available for September contracts.

Tanning Materials

Divi-Divi.—This market continued to note a dull demand during the week. Quotations were strictly nominal.

Gambier.—Another quiet week was experienced in this market, sellers reporting prices for common gambier were nominal. A fair demand was reported for Singapore cubes and plantation gambier. Prices were steady to firm at previous levels.

Mangrove Bark.—Despite the lull noted on the demand side of the market at times during the week, sellers reported quotations continued unchanged.

Myrobalans.—This situation offered little change during the week. Sellers reported that shipments were moving at an irregular pace and quotations for the J1 material as well as for R2 and J2 continued at the levels in force previously.

Quebracho.—This market continued to experience a fairly active buying movement at times during the period under review, sellers reported prices were decidedly firm.

Valonia.—Another quiet week was experienced in this market, sellers reporting prices were decidedly firm.

Wattle Bark.—Strength in this market features the tanning materials as a whole, sellers reporting that the East African material was $39.75 per ton and South African was held at $40.50 per ton.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Ciba Company Name Unchanged

The Ciba Company, manufacturer of dyes, colors, and intermediates, has neither changed its name nor moved from its New York address, 627 Greenwhich street. Through error, it was stated in last week's issue that the firm had changed its name and moved to New Jersey. A change, however, was made in the pharmaceutical department of the company. This department has become a separate corporation and is called Ciba Pharmaceutical Products, Inc., and it has moved its offices and laboratories to Summit, N. J.

Chewing gum tax of 10 percent of the retail selling price is proposed in a bill (A. 2410) introduced in the New York legislature by Assemblyman W. Schwartz.

Pekin Syndicate, controlling extensive concessions for coal, oil and mining, in China, is reducing its capital by £771,425 to £828,548, because of losses arising from the devaluation of the Chinese dollar some time ago.

Ethyl-Dow Doubling Its Seaside Chemistry Plant

A $1,000,000 expansion program is under way at the Ethyl-Dow Chemical Company plant for recovery of bromine from the sea at Kure Beach, near Wilmington, N. C., according to Willard H. Dow, president of the company. Capacity will be doubled, and the annual output of ethylene dibromide will be stepped up to 20,000,000 pounds to keep pace with the quickening world demand for Ethyl fluid, used in the production of anti-knock gasoline for high compression motors. The scientific staff will be increased from 125 to 175.

Unique in industrial civilization, and the first to exploit the mineral resources of the ocean on a commercial scale, the plant, when construction is completed on July 1, will be enabled to draw 137,000 gallons of water from the sea a minute, a volume great enough to meet the drinking water requirements of two cities the size of New York. Approximately 2,000 gallons of seawater must be treated to obtain one pound of bromine. Ethylene dibromide, which is 85 percent bromine, is added to tetraethyl lead, the anti-knock factor, to be mixed with gasoline.

Operations will be made more efficient and economical by improvements in the recovery process, developed after three years of research in the company's laboratories, marking, it is declared, a notable advance in what has become to be known as "seaside chemistry."

Mr. Dow stated the technical staff at Kure Beach has identified, floating through in the waste sea water but as yet not recoverable commercially, eleven other minerals valued at $96,000,000 a year. From next July on the value will be $192,000,000 yearly, including about $80,000 worth of gold.

The Ethyl-Dow company is owned by the Dow Chemical Company and the Ethyl Gasoline Corporation.

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLÉ, 205 Fulton Street, NEW YORK
Telephone: Cortlandt 7-1460-1461 Cable Address: "Fezan," N. Y.

NIACET PRODUCTS
Acetic Acid Glacial - U.S.P. - Reagent
Acetaldol
Acetamide
Paraldehyde
Acetaldehyde
Iron Acetates
Copper Acetate
Methyl Acetate
Crotonaldehyde
Ammonium Acetate
Manganese Acetate
Sucrose Octa Acetate
Other Acetate Salts
"SODACET"
(Trade Mark)
SODIUM ACETATE
SPECIAL 90% GRADE
A fine free-flowing powder containing 50% more actual Sodium Acetate, pound for pound, than the usual 60% grade.
Aluminum Acetate Solutions 80° Normal, 32° Basic
Sodium Acetate Tech. 60 Special 90 Grades
NIACET CHEMICALS CORPORATION NIAGARA FALLS, N.Y.

MUTUAL BICHROMATES
BICHROMATE OF POTASH
BICHROMATE OF SODA
OXALIC & CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE., NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY
MINES IN NEW CALEDONIA

Wage and Hour Limits Proposed in Congress

(Continued from page 3)

oppressive child labor, defined as the employment of any person under sixteen years of age, or any person under eighteen years of age in a hazardous occupation, and also to oppressive labor practice, which includes employment of strikebreakers or industrial spies.

In addition to these basic prohibitions, the bill creates a Labor Standards Board to be composed of five members and the necessary personnel, which would be empowered to make exceptions to the general provisions under certain conditions and also to impose higher wages and shorter hours on certain industries, occupations, or types of operation where conditions warrant under legislative standards contained in the bill. The board is directed to apply the act to various industries as rapidly as possible "without unreasonably curtailing opportunities for employment" or "without unreasonably curtailing the earning power of employees."

Broad Discretionary Powers

Elaborate provisions are contained in the Black-Connery bill, under which the board is to fix varying standards of minimum wages and maximum hours for various industries and occupations based on such criterions as the value of services, cost of living, competitive conditions, geographical differentials, nature of the work, number of persons available for employment, or size of operation.

The board could not fix a workweek of less than a number of hours as yet unspecified and could not establish a minimum wage in excess of 80 cents an hour or $1,200 a year. Maximum hours could be exceeded on payment of time and one-half for overtime, and exemptions from minimum wages could be given by the board for apprentices, handicapped workers, or others of a special class. The board could also exempt from the act employers of less than a certain number of persons, the number as yet not specified. Exemptions could also be given for seasonal activity or emergencies and other special conditions.

In addition to applying to goods produced for interstate shipment, the Black-Connery bill contains provisions under which the board could order its application to intrastate activities where such are shown to be in competition with goods shipped in interstate commerce, or which interfere with interstate commerce, or which affect the price of goods in interstate commerce.

All orders of the board are to be made after public hearings and with due notice to the parties concerned, and there are provisions for appeal to the Federal courts.

Penalties Provided

Violation of the law or an order of the board would be a misdemeanor punishable by a fine of $500 or imprisonment for six months.

The bill contains provisions safeguarding the right of employees to secure better wages or working conditions than those required by the law through collective bargaining agreements, and sets up safeguards against the discharge or reduction of pay of employees in order to meet minimum standards of the law.

All employers subject to the act would be required to maintain records of employment open to inspection by agents of the board at any time. There is also a provision under which the board could require that goods be marked to show whether or not they complied with the law.

Chemical Employment And Payrolls Increase

(Continued from page 3)

Payroll Totals

(100=1923-25 average)

	April, 1937.	March, 1937.	April, 1936.
Chemicals	149.2	140.2	109.1
Cottonseed oil, cake and meal	50.2	58.6	36.8
Druggists' preparations	120.7	121.2	104.3
Explosives	107.5	97.5	74.0
Fertilizers	150.2	127.6	101.3
Paints and varnishes	141.7	133.1	114.2
Petroleum refining	137.3	125.6	108.2
Rayon and allied products	364.8	349.7	269.0
Soap	114.2	123.2	91.8

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	Apr., 1937.	Mar., 1937.	Apr., 1937.	Mar., 1937.
Metalliferous mining	76.2	73.0	76.6	71.3
Quarrying and nonmetallic mining	53.1	49.1	48.2	41.3
Crude petroleum producing	77.7	74.4	69.1	64.6
Dyeing and cleaning	85.0	80.9	68.9	61.6

Employment in New York

Employment in factories producing chemicals and related products in New York State made a gain of 2.8 percent in the State during the period March 15 to April 15, 1937, and dropped 0.1 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 0.2 percent in New York State during the monthly period and declined 1.7 percent in the city. General factory payrolls increased 1.2 percent in the State and decreased 3.8 percent in the city. The department's general factory index numbers, April 15, 1937 (100=1925-27 average) were:—90.0 (15 percent above the 1936 level); payroll totals, 87.1 (30 percent above the 1936 level).

April Compared with March

	Percentages— State.	City.
Drugs and industrial chemicals	+1.2	—0.1
Oil products	+1.5	—3.4
Paints and colors	+1.9	+1.8
Photographic and miscellaneous chemicals	+3.9	+1.5

Current Market Quotations

(Continued from page 25)

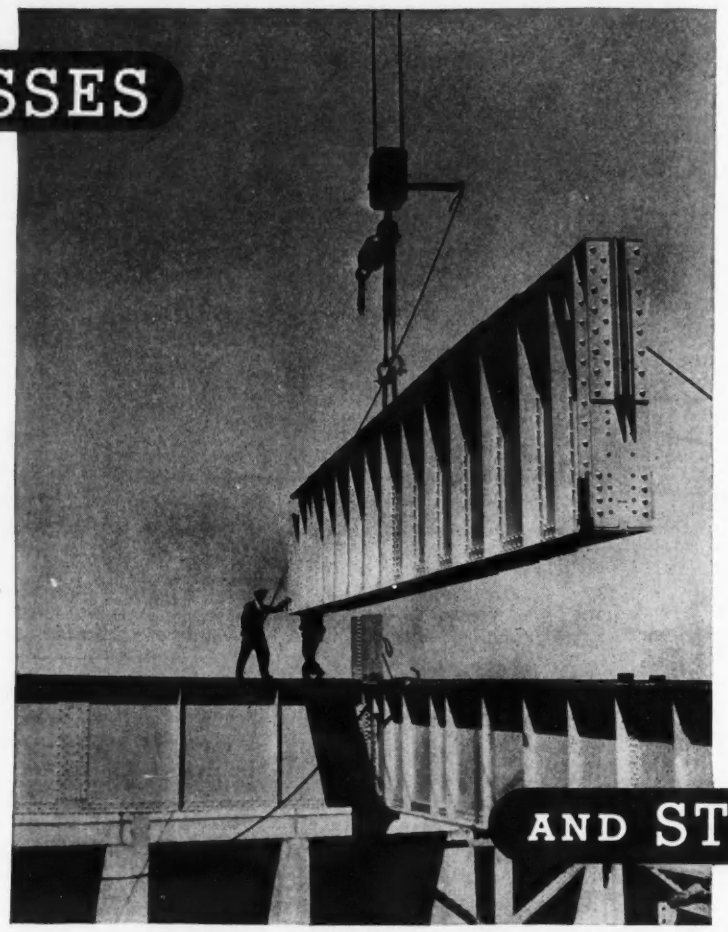
Zinc, sulphide, bbls., l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	09½- —
Sulphocarbolate, NF, bbls.	lb.	.24 - .26
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	6.50 - —
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.04¾- —
l.c.l., dlvd. except Pac. cst.	lb.	.05¼- —
ex whse., Pac. cst.	lb.	.05¼- —
Zirconium nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works	ton.	75.00 -100.00
kgs., small lots, works	lb.	.04¼- .04½
white, 98%, grd., kgs., works	lb.	1.40 - 1.52

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the May 3 issue; the next printing will be in the June 7 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 37.

Pedodyne Company, Chicago, has been ordered by the Federal Trade Commission to stop asserting that "Pedodyne," sold as a bunion treatment, will banish, cure, or heal bunions or give perfect foot comfort, or that it will end bunion torture, give permanent results, penetrate beneath the outer skin, and is a scientific or recent discovery.



New Jersey zinc

. . . In paint films, too

CABLE AND OUTSIDE PAINT have one thing in common—both are subjected to stresses and strains in service.

Internal pressures are created as a paint film ages and the vehicle begins to lose its flexibility. These pressures, if not properly distributed, cause slight ruptures on the surface at first and, eventually, the common cracking and checking failure. This is now an established fact.

Further research proved that it can be a function of the pigment, through its particle structure, to relieve these stresses and strains and thereby extend the useful life of the paint film.

As a result, Cryptone MS-130, the zinc sulphide-magnesium pigment, was designed to provide the paint film with that property to enable it to "give and take" under these stresses and strains. Cryptone MS-130 introduces the effect of film distensibility, producing plasticization without attendant softness.

If you have not tested Cryptone MS-130, use the coupon to obtain a free sample.

The New Jersey Zinc Company

160 Front St., New York, N. Y.

Send me a sample of Cryptone MS-130.

(For Paint Manufacturers only)

Name.....

Address.....

.....

CRYPTONE MS-130

ZINC SULPHIDE-MAGNESIUM PIGMENT

Paint, Varnish, Lacquer Materials

Little More Purchasing Life Shown — May Trade Was Below Normal — Dammar Gums Higher — Rosin Stocks Were Light — Turpentine Steady

There was a little more purchasing life in the market for paint, varnish and lacquer chemicals but trade during the month now ending was disappointing and far below the normal volume for this time of the season. Although manufacturing activity was understood to have been better than the rate of replacement purchasing, the current trade lull has been running for some weeks now and the heavy volume of raw materials stocks brought toward the end of the first quarter should be close to the depletion point by this time. Titanium products were the only ones in the pigment group that showed real briskness.

The natural resin market furnished most of the few price changes that took place. Some of the kauri gums advanced, marking the first move in those prices for some time. The price for Batavia A/D dammar went higher and No. 1 Singapore grading was also advanced. Bold Batu scraped East India gum was also marked up in price. Bonedry shellac held at the reduced price of a week ago.

Mercury colors were stronger on the advance of quicksilver prices during the week but the derivatives did not change. However, a further rise in the metal would produce higher color values, according to sellers.

Carbon blacks continued to move into consumption in round lots and some of the rubber tire producers were understood to be buying for investment in the event of a higher price for the second half of the year which would be warranted under the increased cost of production but which may not take place as a result of the recently augmented competition in the product.

Changes in rosin and turpentine quotations were generally within moderate limits, the prevailing tone in Southern and local markets being steady or firm. There was a further strengthening of the statistical position of rosin, stocks showing a decrease despite some increase recently in production and marketing. Business was on a conservative scale.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Gum, copal, bold Batu scraped, ¼c. per lb.
dammar, Batavia, A/D, ½c. per lb.
Singapore, No. 1, ⅝c. per lb.
kauri, Bx, B1, B3, 1c. to 2c. per lb.
pale, 3, 3c. per lb.
Rosin, gum, medium grades, 15c. per 280 lbs.

Reduced

Casein, dom., ½c. per lb.
Rosin, gum, high, low, grades, 10c. to 20c. per 280 lbs.
Turpentine, gum, ½c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
132.6	**132.6**	**132.6**	**130.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The lead market was very quiet here and abroad. Producers opened their books for acceptance of July orders but the response from the trade was not more than fair. Prices here continued at the long-standing level of 5.85c. per pound at East St. Louis and 6c. to 6.05c. per pound at New York, according to seller. The foreign market broke below the £24 mark on Thursday but Friday's call returned the market to that position.

Slab zinc was also quiet and there was no change in the position of the market. The quotation continued at 6¾c. per pound at East St. Louis.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from May 22 to May 28, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0600@.0605	$0.0585	.. .. ..
Monday	.0600@.0605	.0585	24 16 3
Tuesday	.0600@.0605	.0585	24 18 9
Wednesday	.0600@.0605	.0585	24 11 3
Thursday	.0600@.0605	.0585	23 17 6
Friday	.0600@.0605	.0585	24 0 0

Zinc.—Prevailing spot prices at New York, East St. Louis, and London for the period from May 22 to May 28, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0710	$0.0675	.. .. ..
Monday	.0710	.0675	24 5 0
Tuesday	.0710	.0675	24 0 0
Wednesday	.0710	.0675	23 5 0
Thursday	.0710	.0675	22 18 9
Friday	.0710	.0675	22 15 0

Pigments

Consumers' demands for pigment materials improved mildly during the week but the market was far from a point of briskness and the light buying since the beginning of April has been quite disappointing. May sales totals were better than April in most instances but both months were far behind the heavy trade during the month of March. Lead products have been very slow for the past eight weeks and although the corroders had expected a resumption of normal buying about the middle of the month, there has been no evidence of replacement purchasing as yet. Prices were without important change last week.

White Lead.—The past week's market was no different from several weeks preceding. Purchasing was negligible and it was believed that the trade was still covered on prompt and nearby wants on the heavy purchases made during March. The corrodors had expected a return toward more normal replacement buying in the middle of May, but the market continues in the doldrums. Prices held steady.

Red Lead.—The position of this material was similar to that for other lead products. The prices were held steady in reflection of an immobile position in the basic metal, but there was not much buying support in the market and the sellers repeated their previous reports in that the trade seemed covered for needs on the heavy purchases 60 days back.

Litharge.—The market was quiet but steady and there has been very little replacement buying since the end of the year's first quarter. Sellers have been looking for wider buying almost daily but the market continued very slow.

Lithopone.—Further small improvement in the volume and frequency of ordering against contracts was noted last week, but the market was far less active than usual for this time of the season. The progressive improvement shown in the latter part of May was small but it was believed to have resulted in a better aggregate for the month just ending than for the preceding month. Prices continued unchanged.

Titanium Pigments.—These materials continued to make the best showing in the entire pigment market. The demands continued unabated with particular activity at this time from the manufacturers of white shoe dressings. Prices for titanium dioxide and the compounds continued steady at the schedules established last Fall.

Zinc Oxides.—Some producers reported a maintained rate of activity from the paint manufacturing industry but other sellers did not share this view and reported things as having been quiet albeit showing slight improvement over trade during the middle of the month. The rubber trade's

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Thymol U·S·P

• MAY SOLVE THAT ODOR OR RANCIDITY PROBLEM

● THYMOL U. S. P. is finding ever increasing use in the industrial field because of its clean, fresh odor, germicidal potency and non-toxic qualities. It is especially effective as a mildew preventive in indoor and industrial paints where the use of highly toxic metallic salts is undesirable. It also has stabilizing value in soaps that have a tendency to become rancid. As an anti-mold agent in other products it offers interesting possibilities. If you have an odor or rancidity problem, perhaps THYMOL U. S. P. is the solution.

Givaudan's THYMOL U. S. P., made in America, of American raw materials, is produced by a special process that assures an exceptionally pure and uniform product. Why not make use of its advantages ? Sample and prices will be sent on request.

GIVAUDAN
DELAWANNA, INC.
Industrial Aromatics Division
80 FIFTH AVENUE, NEW YORK, N. Y.

HEEKIN CANS
Strong, Reliable, Handsomely Lithographed

Heekin Lithographed Cans are of the finest quality, rugged and strong, yet beautiful in appearance . . . lasting qualities that continuously advertise your product.

Today, if you want to keep pace with the procession, you must dress up your product in an attractive package . . . today is a day of beauty. Heekin Cans are preferred by most successful manufacturers. Write us today for complete information.

THE HEEKIN CAN CO., CINCINNATI, O.

activity was good. Prices held steady and unchanged.

Fillers and Extenders

There was a mixed type of trade in the materials that constitute the group of inerts, fillers and extender products last week. Some materials were moving in good tonnage while others could not shake off the spottiness that has characterized them in recent weeks. Prices were in a general position of steadiness and there were no changes reported during the week.

China Clay. — There has been no shift in the domestic product since the beginning of the year when prices were advanced slightly. The imported article was also unchanged in price.

Graphite. — The market held an unchanged position since last reported. The demands for those grades used in the paint trade have been light.

Metronite. — Prices were marked up $1 per ton on May 10 and have held in a steady position at the new levels. The demand side of the market has shown no special feature.

Dry Colors

A further rise in the price of quicksilver placed the color derivatives of that metal in a tighter position, but did not alter prices last week. Manufacturers of quicksilver vermilion were prepared to advance their quotations however, if the metal moved further upward. Mercury oxides held at the advance that took place two weeks ago. Earth colors were rather quiet and did not show any change in position.

Carbon Black. — Deliveries continued heavy, but there was not much buying life in the paint and ink trades last week. As reported previously, some buyers were purchasing for investment against possibility of higher prices for the latter half of the year, but as yet the sellers have not taken a position for the final half of 1937. Black production costs have risen, but the presence of additional competition in the market might keep prices at their present levels.

Iron Blues. — Prices continued unchanged at 36c. per pound on contract and 37c. per pound on open order. The demands of the market have been fairly good.

Maroon Lake. — Quotations for 25 percent material continued at the long standing basis of 40c. per pound. There has been no special feature on the demand side of the market during recent weeks.

Mercury Oxides. — The market held at the 9c. per pound boost in prices that went into effect two weeks ago. Quicksilver prices advanced again last week, but there has been no further change in the price of these derivatives.

Scarlet Ink Toner.—Producers quoted the market at 45c. per pound, the figure that has been in effect for some time.

Vermilion. — Quicksilver prices advanced last week, but the red producers did not alter their selling prices. However, it was indicated that another rise in metal prices would likely be followed by higher red values. American vermilion continued at 15c. per pound.

Varnish Gums

Higher replacement prices for A/D Batavia dammar and also for No. 1 Singapore dammar gum were among the features in the natural resin market last week. Other advances were confined to the kauri group where No. 3 pale and some of the brown gum gradings were higher. Bold Batu scraped copal was also raised.

Copals. — Quotations for bold Batu scraped gum were advanced to 5¾c. per pound last week, the lone price change in the copal list. This was the basic price for straight or mixed cars and was subject to usual differentials for smaller quantities.

Dammar.—The price for Batavia A/D gum was advanced ½c. per pound last week to the basis of 18⅛c. per pound, and No. 1 Singapore gum was advanced ⅝c. per pound to the basis of 20c. per pound. These quotations were for straight or mixed cars and were subject to the usual differentials for smaller quantities.

Kauri. — Higher replacement prices were reported from the primary market last week on No. 3 pale which advanced to 17¾c. per pound, a rise of 4c.; BX grading which advanced 2c. per pound to 38c.; B1 was also up 2c. to 28c. per pound, and B3's rose 1c. per pound to the basis of 18½c. per pound. These quotations were also for straight or mixed cars and subject to usual differentials for l.c.l. quantities.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Synthetic Resins

The ester gum market held the position established a few weeks ago when a basic price of 10¾c. per pound for car lots was established. Further reductions in the cost of manufacture would likely result in a return to lower prices for the gum but there has been no change since the aforementioned price was established.

Naval Stores

Primary markets for rosin and turpentine continued to be featured by a rather firm tone much of the time last week. There was a certain amount of irregularity in prices but changes from day to day as a rule were unimportant. Here business was rather quiet, consumers being inclined in some instances to curtail purchases on the eve of the Decoration Day holidays. There was apparently little change in sentiment in local quarters, however, concerning the business outlook. To some the movement of pine products into consuming channels appeared to be holding up well despite the slowing down recently noted in the requirements of consumers of some other raw materials.

In the case of rosin there was a disposition in some instances to revise ideas upward with respect to the probable consumption during the current season, not only in this country but also abroad. Clearances of rosin from Savannah for foreign destinations were again rather large last week and further liberal shipments were said to be impending. Although receipts in primary markets have increased to some extent in recent weeks, the outward movement has been sufficient to prevent the additions to supplies in Southern centers usually witnessed at this period of the year. Stocks of rosin in the three principal markets are much smaller than at this time last season and the holdings of turpentine are also well below those of a year ago. Supplies held by the government continue to dwindle, the total holdings now being put at only 42,000 barrels of rosin and 50,000 barrels of turpentine.

As to the production for the current season, it is of interest to note that a total of 17,204,900 cups were sold last Winter and this Spring for use in gathering the 1937-38 crop of gum turpentine and gum rosin, according to official statistics. In the previous season the number of cups sold was 17,530,000 while in the season before that the number was 6,219,000. Ten years ago 32,310,000 cups were sold, the largest number on record.

According to consular advices from Mexico, cold weather experienced during April affected the output of naval stores in the production area of Durango. It was reported that the total monthly output was below that for the same month of other years. Sales for the month consisted of 8,000 gallons of turpentine shipped to the United States and about 165 metric tons of rosin for domestic consumption. Stocks on hand at the end of April were estimated at approximately 24,000 gallons of turpentine and 100 metric tons of rosin.

Turpentine. — Business here was quieter last week, some consumers being disposed to curtail purchases before the week-end holidays. The tone continued steady or firm in the absence of wide changes in Southern markets. Sentiment here concerning the business outlook remained rather optimistic as the slowing down of demand last week was regarded as likely to prove of short duration. Weather conditions over the

EXCELSIOR
Carbon Black
An all purpose black in the ordinary price range designed to meet present day requirements.
Where economy in production is indicated, manufacturers have learned to rely on EXCELSIOR • Its elastic qualities give it all the advantages of a custom made pigment... at a very moderate price. • Recommended especially where high loading is permissable.
Technical Inquiry is Invited
BINNEY & SMITH CO.
Specialists in Carbon Blacks, Bone Blacks and Oxides of Iron
41 EAST 42nd ST., NEW YORK, N. Y.
COLUMBIAN CARBON CO.

South were favorable in the main for production and marketing operations.

SAVANNAH, May 28.—The turpentine market had a firm undertone. Sales were fair. Following is a record of the market for the week:—

	Cents per gal.	Sales.	Barrels Receipts.	Barrels Shipments.	Stocks.
Saturday	36	88	426	95	26,200
Monday	35½	143	445	904	25,741
Tuesday	35¼	115	747	674	25,814
Wednesday	36	187	525	325	26,014
Thursday	36	153	409	218	26,205
Friday	35½	222	385	17	26,573

JACKSONVILLE, May 28.—Turpentine was quiet. Changes in quotations were moderate. Following is a record of the market for the week:—

	Cents per gal.	Sales.	Barrels Receipts.	Barrels Shipments.	Stocks.
Saturday	35¾	258	321	...	27,381
Monday	35	68	466	2	27,845
Tuesday	35¼	63	181	...	28,026
Wednesday	35½	188	271	160	28,137
Thursday	35½	104	194	514	27,817
Friday	35½	...	490	1,717	26,590

PENSACOLA, May 22.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Barrels Shipments.	Stocks.
Monday	286	248	14,700
Tuesday	139	143	14,596
Wednesday	144	122	14,618
Thursday	124	204	14,538
Friday	129	242	14,425
Saturday	149	12	14,562

CHICAGO, May 28.—While the price of turpentine has shown little or no effect of it, buying is more active. Orders are being placed on the best basis in some time, it appears, and buyers seem to be liberalizing their purchasing policies quite a little. Ruling prices at the close of business last night were:—Five-drum lots, 47c. per gallon; five wood barrels, 52c.; single drums, 50c.; single barrels, 55c.

LONDON, May 28.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	38	9
Monday	38	9
Tuesday	38	9
Wednesday	38	9
Thursday	38	6
Friday	38	6

Stocks of American turpentine in London were:—

	May 28.	Previous week.	Last year.
Barrels	13,902	14,993	9,895

Rosin.—The tone of the local market was firm much of the time last week in company with primary centers, where changes in quotations on most grades were rather narrow. Demand lacked snap, consumers being inclined to purchase merely for curent or nearby requirements on the eve of the holidays. Daily offerings in Southern markets were comparatively light despite the recent increase in receipts. Stocks in primary centers showed a further decrease as the outward movement exceeded arrivals.

SAVANNAH, May 28.—The rosin market was fairly active. Price movements were within moderate limits. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.40	$7.40	$7.35	$7.30	$7.25	$7.20
D	7.50	7.40	7.45	7.35	7.35	7.30
E	7.95	7.85	7.85	7.75	7.80	7.75
F	8.32½	8.32½	8.27½	8.20	8.17½	8.12½
G	8.32½	8.32½	8.27½	8.20	8.17½	8.12½
H	8.32½	8.32½	8.27½	8.20	8.17½	8.12½
I	8.32½	8.32½	8.27½	8.20	8.17½	8.12½
K	8.32½	8.32½	8.27½	8.20	8.17½	8.12½
M	8.32½	8.32½	8.27½	8.20	8.17½	8.15
N	8.35	8.32½	8.27½	8.20	8.17½	8.15
WG	8.37½	8.45	8.40	8.25	8.25	8.20
WW	9.10	9.15	9.10	9.00	9.10	9.00
X	9.10	9.15	9.15	9.00	9.10	9.00
Sales	676	579	646	325	359	368
Receipts	1,473	1,602	2,849	2,026	1,479	1,436
Shipments	50	2,209	8,951	3,007	75	1,641
Stocks	50,113	49,506	43,404	43,423	44,827	44,632

JACKSONVILLE, May 28.—Rosin offerings were generally light or moderate. The market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.45	$7.45	$7.35	$7.35	$7.35	$7.35
D	7.50	7.50	7.50	7.45	7.45	7.45
E	7.95	7.95	7.95	7.80	7.85	8.15
F	8.32½	8.25	8.25	8.20	8.20	8.15
G	8.32½	8.30	8.25	8.20	8.20	8.15
H	8.32½	8.30	8.25	8.20	8.20	8.15
I	8.32½	8.30	8.25	8.20	8.20	8.15
K	8.35	8.30	8.25	8.20	8.20	8.15
M	8.35	8.32½	8.25	8.20	8.22½	8.15
N	8.35	8.32½	8.27½	8.22½	8.25	8.17½
WG	8.40	8.40	8.35	8.27½	8.30	8.25
WW	9.20	9.10	9.10	9.10	9.10	9.00
X	9.20	9.10	9.10	9.10	9.10	9.00
Sales	545	293	689	824	203	500
Receipts	1,277	1,155	1,326	1,440	884	1,440
Shipments	1,316	...	...	100	4,577	5,753
Stocks	32,930	34,085	35,411	36,751	33,058	33,345

PENSACOLA, May 22.—The rosin market was steady. Receipts showed some increase. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	823	345	405	460	378	346
Shipments	280	180	81	1,712	1,751	331
Stocks	20,551	20,716	21,040	19,788	18,415	18,430

CHICAGO, May 28.—Buyers of rosin seem to be more interested in placing orders than for some time. At the same time, there remains an air of caution, to guard against over-extension. Reports from the South are being scrutinized closely. Ruling prices at the close of business last night were: B grade, $10.35 per lot of 280 pounds; G grade, $11.27½; M grade, $11.32½; W.W. grade, $12.10.

LONDON, May 28.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	20	9	22	6
Monday	20	9	22	6
Tuesday	20	9	22	6
Wednesday	20	9	22	6
Thursday	20	9	22	6
Friday	20	9	22	6

Pine Oil.—The market retained a firm tone, quotations being held at previous levels. There was a steady movement of both steam and destructive distilled into consuming channels.

Pitch.—A firm tone continued to prevail in the market here in the absence of any material change in conditions ruling in primary markets. There was a fairly active demand.

Rosin Oil.—Quotations were generally maintained at the levels ruling in the previous week and the tone of the market appeared to be firm. Business was fairly active.

Tar.—Demand held up well and the market remaining firm on the basis of previous quotations.

Shellac

Business continued to be very quiet. Slackness in the consuming trades has prevailed for a number of weeks and no change in that aspect of the market for shellac developed during the past week. Pricewise, the local market lacked further change but the structure was none too substantial and competition appeared to be on the increase. The foreign markets were considerably easier throughout the week. Prices slid off in London and Calcutta and on a whole the situation in those markets appeared to be quite soft.

London, May 28.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows:—

	May 28 Shillings. Cwt.	May 28 Cents. lb.	May 21 Shillings. Cwt.	May 21 Cents. lb.
August	48	10.4	50	10.9
October	49	10.6	51	11.1

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

	Per hundredweight— August.	October.
May 21	50s ..	51s ..
May 22	No cables	
May 24	50s ..	51s ..
May 25	48s 6d	49s 6d
May 26	48s 6d	49s 6d
May 27	47s 6d	48s 6d
May 28	48s ..	49s ..

Calcutta, May 28.—Prices quoted on pure T.N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	Per pound— May 28.	May 21.
June	9⅞c	10⅛c

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
May 21	10⅛c
May 22	No cables
May 24	10¼c
May 25	10¼c
May 26	10⅛c
May 27	9¾c
May 28	9¾c

Lacquer Materials

Business in the market for lacquer materials continued at a fair pace throughout the week just closed. The market was without a specific price feature, the tone generally being steady to firm. Acetone shipments were moving out in fair volume against contract. Butyl alcohol was in fair demand. Tricresyl phosphate displayed a decidedly firm tone, for the basic material continued in a firm price position. Nitrocellulose buying was fair. Film scrap displayed a steady to firm tone. Reports from the automobile industry were to the effect that preparations were being made for the changing over to 1938 models, at the same time some labor unsettlement was noted in that direction.

Acetone.—Business continued at a fair pace. Prices were steady to firm.

Butyl Acetate.—A fair amount of business was transacted against contracts, quotations ruled firm.

Butyl Alcohol.—This situation noted little change, demand held up fairly well and prices were well maintained.

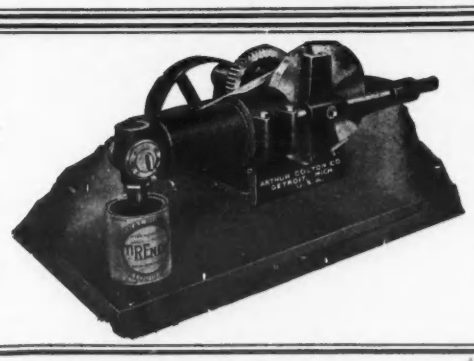
Ethyl Acetate.—Important developments were lacking in this direction,

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK
Branch Offices and Warehouse Stocks:
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND
THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

LAMP CARBON BONE BLACKS LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

EARTH COLORS
INDIAN - TURKEY - VENETIAN.
OCHRE - SIENNA - UMBERS
JOSEPH A. McNULTY
114 Liberty Street New York


No. 8 Can Filler
Fills liquids or semi-Fluids into Tubes, Cans or Jars at the rate of thirty containers per minute.
Used in leading plants for filling Varnish and Enamels.
Arthur Colton Co.
We make Filling Machines for every purpose.
2624 East Jefferson Ave.
DETROIT

FILAC ★ ★ FILAC
Clear, soluble nitrate film scrap—a valuable, economical ingredient for industrial lacquers, artificial leather, airplane dopes, pyroxylin cements, wall paper coatings.

FILAC ★ ★ FILAC
Produced in our Burbank plant and packed dry in stout wooden cases ready for shipment by all types of transportation.
HORN, JEFFERYS & CO.
CABLES "GALLEON" BURBANK, CALIFORNIA

shipments were moving at a good pace and prices were well held.

Film Scrap.—This market continued to experience a good inquiry, prices displayed a firm tone.

Nitrocellulose.—Shipments were moving out at a good pace during the week. No change was uncovered in quotations.

Tricresyl Phosphate.—This market continued to register a broad demand, prices were decidedly firm.

Driers

Trade in drier materials and metallic soaps continued in rather irregular fashion last week and the volume did not exceed that of the preceding week. May business was fair compared with April, but business in the quarter to date was not so heavy as had been expected. Prices for stearates continued unchanged and the sellers will doubtless name a position for the third quarter of the year within a few weeks.

Glues and Binders

Casein.—The milk flow continues heavy and powder seemed soft and virtually every producer of casein was producing at capacity. The market softened to around 13c. per pound for 20-30 mesh and 13½c. per pound for 80-100 mesh, but some of the suppliers were asking higher prices. There was not very much of an interest from the buyers and hence the prices were more or less meaningless to traders.

Glues.—Neither bone nor hide glues were favored with much of a buying interest last week. As a matter of fact the market has been quiet for some while and the lack of purchasing activity has held the market free from advance to higher prices which would ordinarily result from the cost of raw stock.

Ferrell, Kicker Join Seidlitz

R. W. Ferrell, for the past thirteen years in charge of the paint manufacturing operations of the Wardway Paint Works, Chicago Heights, Illinois, and prior to that time general superintendent of Benjamin Moore & Company, Ltd., Toronto, Ontario, has been made factory manager of the Seidlitz Paint & Varnish Company, Kansas City, succeeding Thompson Price, jr., who will resign July 1 to become associated with his father in the Price-Powell Varnish Company, Valley Park, Mo. H. G. Kicker has also joined the laboratory staff of the Seidlitz Company. For fourteen years he was in the research laboratory of the Certainteed Company, at St. Louis, Mo. He is a former president of the St. Louis Production Club.

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

MINERS REFINERS IMPORTERS
CLAYS INDUSTRIAL
AIRFLOATED CLAYS
Our facilities enable us to furnish practically all types of clay in the "bone dry" Airfloated form. Just what kind of clay would you care to have Airfloated?
Testing Samples Gladly Sent
United Clay Mines Corporation
Trenton Dept. O New Jersey

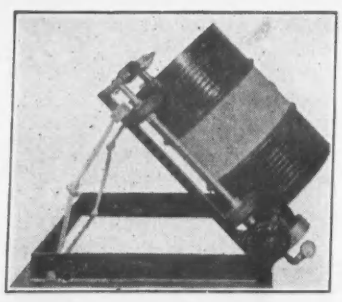
PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for twenty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

Georgia White Clay—Fuller's Earth
Carload shipments direct from producers
TAINTOR TRADING COMPANY, Inc.
24 State Street : : : New York

PURE SILICA
Hard Crystalline
No. 68—140 Mesh
" 10—200 "
" 110—300 "
Soft Amorphous
Velveteen—300 Mesh
Silver Bond—325 Mesh
OO Smoke—800 Mesh
FOR ALL PURPOSES
Water Ground---Water Floated
Mills: Tamms, Ill. Write TAMMS SILICA CO. Builders Bldg., Chicago, Ill.

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK


THE JIFFY
Drum and Barrel Cleaning Machine
LIGHT - COMPACT - INEXPENSIVE
Write for circular and prices
The Vol-U-Meter Co., Inc.
Ohio Street Buffalo, N. Y.

Cleveland P.V.L.A. Elects J. A. Gehring President

The Cleveland Paint, Varnish and Lacquer Association, held its annual Spring meeting May 21 at the Canterbury Country Club, Cleveland, with about one hundred members and friends present. The following officers were elected:—

President and treasurer, J. A. Gehring, of the Pittsburgh Plate Glass Company; vice-president. R. L. Hutcheon, of the Passonno-Hutcheon Company; secretary, N. W. Putnam, of the Imperial Paper & Color Corporation. Executive Board:—L. A. Biddle, of the Benjamin Moore Company; J. L. Caruth, of the National Lead Company; W. T. Clark, of the Patterson-Sargent Company; E. J. Forth, of the Gibson-Homans Company; R. L. Hawkins, of the Empire Varnish Company; C. M. Kolb, of the Glidden Company; J. D. Tracey, of the Davis Paint Company, and R. A. Weppner, of the Ohio Mineral Spirits Company.

Forty-six golfers participated in the golf match that followed luncheon, and following the dinner in the evening, P. H. Hamilton, chairman of the golf committee, announced the following prize winners, handicaping having been under a new method:—L. A. Davidson, low net, with score of 60; Walter Meyers, 62; W. V. Weber, 63; R. C. Culver, 65, and E. E. Bang, 66. The blind bogey was tied between Charles Lacey and Charles Rouldt, and awarded to Lacey after a drawing. Prizes for non-golfers went to Richard Weppner, Theodore Fournier, and R. C. Hutcheon.

Honorary membership in the club was voted unanimously to E. T. Holmes, formerly president of the Hale & Holmes Company, and a former president of the association. Mr. Holmes, who has been active for years in the affairs of the local and national organizations, has disposed of his holdings in the Hale & Holmes Company and is retiring from the paint field.

Wilson & Bennett Company Enlarges Its Chicago Plant

The Wilson & Bennett Manufacturing Company, manufacturer of steel pails and drums, for foods, chemicals, paints and petroleum products, is adding two new three-story buildings and a third floor addition to its Chicago plant. These will provide more than 82,000 square feet of space that will be used for new production lines, increased warehousing and shipping facilities. Machinery and equipment costing more than $200,000 is being constructed for use in the new buildings. The new facilities are expected to be ready about August 1.

S. A. Bennett, president of the company, stated that the new buildings and equipment will eliminate all possible "bottle necks" in the company's production lines and increase the steel pail production capacity by more than fifty percent. The expansion also provides greatly increased flexibility in the steel barrel department.

George Baer to Wed

George O. Baer of Baer Brothers, paint and varnish manufacturer, will be married to Jane M. Young, daughter of Mr. and Mrs. Max L. Young, this city, on June 16, at the Plaza hotel. Miss Young attended Connecticut College for Women at New London. Mr. Baer was graduated from Staunton Military Academy and the University of Miami. He is a member of Pi Lambda Phi Fraternity, the United States Reserve Officers Association, and the New York Republican County Committee.

Edward Muller G.m.b.H., wool-grease and paraffins, Halle (Saale), Germany, celebrated its seventy-fifth anniversary May 7. The company is internationally known as the agent for various large producers.

J. Gaynor Mac Intyre, of the technical sales staff of the National Oil Products Company, Harrison, N. J., has been appointed New England sales representative of the company to succeed the late Adam Craig. Mr. Mac Intyre will specialize on the textile industry.

Rowlands Opens Largest Tung Oil Mill in U. S.

Lamont Rowlands, pioneer in the tung tree industry in this country, opened to public inspection May 20, his new tung oil mill in the heart of his 10,000-acre tung tree plantation, twelve miles from New Orleans. Among several score of visitors were men in the paint and varnish industry, vegetable oil men, agriculturalists, and State officials.

Mr. Rowlands' mill is the fourth erected in the United States, and is the largest and most modern. It has a capacity of 16 tons a day, and further extensions are planned to raise the capacity greatly. The mill will grind this season somewhat in excess of 500 tons of nuts, the bulk from the Rowlands' plantation which came into commercial production this year. The operations of the mill so far have yielded approximately 20 percent by weight in oil of the weight of the dried nuts.

The mill was erected under the supervision of Glen H. Pickard, vegetable oils chemist of Chicago. Both Mr. Rowlands and Mr. Pickard believe there are wide possibilities in tung tree by-products, and a research factory will be established to investigate certain properties of the oil, of the husk and of the residue. For instance, it is believed the husk, a mass of fibers, can be retted and used for various purposes. Insects and bugs have an antipathy for the trees and this is taken as a clue to further secrets which the tree may yield of medicinal value.

Behrens Drug Co. to Open Branch in Lubbock, Tex.

The Behrens Drug Company, wholesale, Waco, Texas, is completing arrangements to open by the middle of next month, a wholesale distributing branch in Lubbock, Texas, according to an announcement made by Albert T. Clifton, president of the company. The branch house will serve all of West Texas and Eastern New Mexico.

John V. Powers, now city salesman for the Waco house, who has been associated with the Behrens company for twenty-one years, will manage the Lubbock house.

Printing and lithographic inks of domestic manufacture meet about 99 percent of the consumption of these materials in Great Britain. Of the inks imported, the United States supplies about 85 percent.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

Shawnee DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

Oils, Fats and Waxes

Chinawood Oil Easier Abroad and Here — Cottonseed Irregular Small Changes in Copra and Coconut Oil—Tallow Offerings Light and Market Steadier—Business Remains Quiet

Business in miscellaneous vegetable, animal and fish oils, fats and greases, remained quiet last week so far as the general list was concerned. In certain instances a somewhat better inquiry was noted, but as in recent preceding weeks, purchasing was generally limited to comparatively small quantities to fill the immediate needs of consumers. Reductions in prices were more numerous than advances, but changes were generally within narrow limits, as offerings of many products were light throughout the week.

Chinawood oil weakened, the tone of domestic markets being influenced by a reaction in prices abroad. Copra was steadier, but quotations on coconut oil were reduced slightly by producers. Higher quotations were named for blown rapeseed oil by refiners. Teaseed oil was available at fractional concessions. Lard was irregular on spot, changes in prices being in company with the course of futures in Chicago, where speculative operations were on a smaller scale than recently. Lard, neatsfoot, oleo and tallow oil prices lacked further quotable change. Stearin was again shaded, although offerings were light. Tallow offerings were smaller than in the previous week and the market apparently had a steady tone.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Menhaden oil, crude, 5c. per gal.
Copra, 1-20c. per lb.
Rapeseed oil, blown, ¼c. per lb.

Reduced

Chinawood oil, ¼c. per lb.
Coconut oil, ⅛c. to ¼c. per lb.
Oiticica oil, ¼c. per lb.
Palm oil, ⅛c. to ¼c. per lb.
Perilla oil, ⅛c. to ¼c. per lb.
Stearin, ¼c. per lb.
Teaseed oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
143.2	**143.8**	**149.6**	**110.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—The market was steady at the recent decline to 9 to 9¼c. per pound, tankcar basis. The output continued to move into consuming channels on contracts previously placed. New business was quiet, consumers being inclined to hold off for further developments.

Chinawood.—Quieter conditions prevailed in the local and Pacific Coast markets last week. The trend of prices at Hankow was downward at times and this made consumers disposed to hold aloof, especially as some had placed contracts for forward deliveries in the previous period. The effect of the week-end holidays was also seen in the withdrawal from the market of some buyers. Transactions in a limited way were said to have been closed at prices which showed a decline of about ¼c. per pound as compared with the previous week. Offerings from importers and dealers were light throuhghout the week and at the close of the period the prevailing tone was steady.

Coconut.—Copra was steadier, but the market for crude oil remained in an easy position as buying interest continued slow. Price changes were narrow, 6½c. to 6⅝c. per pound being quoted for spot and nearby oil and 6¼c. to 6⅜c. for July forward. The improved tone of copra was attributed to unexpectedly light arrivals on the Coast. Edible oil was reduced ¼c. to 11½c. per pound in tankcars for 76 degrees, tax paid. A radiogram from Manila to the Department of Commerce stated that arrivals of copra are expected to be considerably heavier from June on; buying of coconut oil during the past month was chiefly by soap manufacturers, takings for delivery over the last half of the year being fairly heavy.

Corn.—The market had a steadier tone, although quotations underwent little change. Buying interest was stimulated to some extent by developments in the market for corn, although transactions for the week were apparently light as offerings were limited.

Oiticica.—The weaker position of chinawood oil was reflected in an easier market for oiticica oil, prices being shaded about ¼c. per pound. There was a fairly active inquiry for spot and shipment oil. Spot supplies were reported as light.

Perilla. — An easier tone developed owing to a lack of demand of importance, buyers being inclined to curtail purchases pending further developments. Quotations were shaded ⅛c. to ¼c. per pound ,although offerings were generally light.

Rapeseed.—With supplies small and diminishing, the market remained firm at the advance recently announced to 95c. per gallon. Blown oil was advanced ¼c.

Soybean.—The tone appeared to some to be easier, although selling schedules were maintained by producers at previous levels. The market was quiet so far as new business was concerned.

Teaseed.—The market was easier in the absence of any improvement in demand, buying interest apparently being limited to unimportant quantities. Quotations were shaded about ¼c.

Markets at Other Centers

San Francisco, May 26.—Interest and activity in vegetable oils dropped to a rather low point last week and for the most part no real market test afforded the trade an opportunity to guage the actual strength of the list.

Ruling prices were:—

BABASSU.—Quoted at 9c. per pound, in tankcars, nominally, f.o.b. mill, Pacific Coast, for July-August shipment. Spot and nearby oil is scarce.

COCONUT.—Steady, with the market mostly quiet. Quoted at 5¾c. to 5⅞c. per pound for future delivery in tankcars, f.o.b. Pacific Coast ports and/or mills. Prompt and nearby oil is quoted nominally at 6⅛c. per pound.

COPRA.—Firmness is showing in the copra market at this time and the situation is revealing some routine activity. Last week sellers in the Philippines met bids here on the basis of 3.65c. per pound, c.i.f., and later the market strengthened to a point where it was a bit difficult to get business through at this figure. Today's quotation lies between 3.675c. and 3.725c., the latter figure for close-up shipment. Deliveries here remain light, mostly on account of lack of steamer space.

COTTONSEED. — Japanese semi-refined oil is quoted at 9.70c. per pound, May-June shipment from the Orient, with some spot stocks and nearby arrivals available on this basis, tankcars, f.o.b. Pacific Coast. Brazilian oil is quoted on the basis of 9.50c. per pound; all duty paid.

SESAME.—Crude oil is quoted nominally at 9¼c. per pound in tankcars, f.o.b. Pacific Coast mills.

TEASEED.—Quoted at 9½c. per pound in tankcars, f.o.b. Pacific Coast ports, June-July shipment from the Orient.

Chicago, May 28.—Dullness continues to rule in most of the vegetable oils. Price changes have been few in any of the principal products.

CORN.—Crude, low acid, 8⅞c. to 9c. per pound, mills, partly nominal. Refined, edible oil, 12½c. to 13c., drums, car lots; and 13c. to 13½c., drums, less than car lots.

CHINAWOOD.—Ruling, spot, drums, 14½c. to 14¾c. per pound; futures, 13¼c. to 13⅜c.

Chicago, May 28.—Range of soybeans for the week ended May 26:—Spot, No. 2, yellow: High, $1.75; low, $1.72½.

London, May 18.—Soybean, British crude, 33s. per hundredweight; palm-kernel oil, refined, 39s. 3d.; rapeseed oil, crude extracted, 36s.; coconut oil, Ceylon, 29s. 9d.; peanut oil, Bombay, crude, 32s.; sardine oil, 21s. 3d.; whale oil, crude, 22s. 6d.

Linseed Oil

Domestic flaxseed markets were quiet and irregular. The Buenos Aires market had a firm tone. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, May 28.—The flax area in Minnesota and the eastern half of the Dakotas is in excellent shape—the best it has been in many years, it was reported. Under these favorable conditions farmers will undoubtedly sow more flaxseed than originally intended, trade advices said.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$2.00	$2.00	$1.99
Monday	2.00	2.00	2.01
Tuesday	2.00	2.00	1.99
Wednesday	1.99	1.97	1.96
Thursday	1.99	1.97	1.96½
Friday	1.97	1.97	1.95

Crop movement in bushels follows:—

	Receipts—		Shipments—	
	1937.	1936.	1937.	1936.
This week..	82	11,163	55,330	65,217
Since Aug. 1...	952,622	3,589,101	980,367	2,540,367

MINNEAPOLIS, May 28.—In addition to very liberal quantities of Argentine flax fairly liberal supplies of domestic seed came to market, chiefly from northern territory, and crushers were able to buy the latter somewhat cheaper compared with futures. Average quality was the best in some time and crushers took care of the good stuff without hesitation. Elevator operators continued to take the cheaper seed with dockage and eventually worked their prices lower compared with futures.

The movement freshened up on account of progression of seeding operations through the northwest. Farmers disposed of considerable stuff they had been saving to plant or to sell to neighbors and line elevator companies cleaned up their surplus offers as soon as they got a line on what was wanted for seeding purposes. Seeding operations gained rapidly on account of rains and many farmers got around to putting in their flax earlier than they expected to.

Maybe 300,000 bushels of Argentine seed came to this market from the head of the lakes and as much more is expected in the near future.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed IVORY BRAND
RED OIL (OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
STAR BRAND *{saponified}*
CANARY BRAND
{very pale yellow, especially suitable for best types of dry cleaners' soaps.}
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

OILS
CHINA WOOD OIL
PERILLA OIL
SARDINE OIL
VARNISH GUMS
SPOT FUTURE
L.N. JACKSON & CO. Inc.
29 BROADWAY NEW YORK, N.Y.

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
Factory: Boonton, N. J.
Sales Offices -- New York City and Chicago
WECOLINE PRODUCTS INC.

Stearic Acid
for all purposes
RED OIL • • • GLYCERINE • • • CANDLES
THE M. WERK CO., CINCINNATI, OHIO, U. S. A.
Established 1832
New York Sales Office • 15 Moore St., • New York City
Chicago Sales Office • 4103 So. La Salle St., • Chicago, Ill.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$2.05½	$2.01½	$2.01½
Monday	2.07	2.03	2.03
Tuesday	2.03	2.00	2.00
Wednesday	1.99	1.96	1.95½
Thursday	2.00	1.97	1.98
Friday	1.98	1.95	1.95

Crop movement in bushels as follows:—

	Receipts		Shipments	
	1937.	1936.	1937.	1936.
This week..	317,860	74,580	....	1,330
Since Sept. 1...	3,688,910	7,732,390	355,100	1,323,290

WINNIPEG, May 28.—Flaxseed prices were irregular. Trading was quiet. The week's closing range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.74	$1.75	$1.74
*Monday	....	....	....
Tuesday	1.70½	1.71½	1.71
Wednesday	1.70½	1.72½	1.72½
Thursday	1.70⅜	1.72¼	1.70⅝
Friday	1.70⅝	1.72	1.71

* Holiday.

BUENOS AIRES, May 28.—Opening prices per bushel on June contracts were:—

	Last week.	Last year.
Saturday	$1.32⅝	$1.18⅛
Monday	1.32	*..
Tuesday	*..	1.18⅛
Wednesday	1.32¼	1.17⅞
Thursday	*..	1.18
Friday	1.32	1.18

* Holiday.

Exports

	Bushels		
To—	Last week.	Previous week.	Last year.
United States	154,000	260,000	150,000
United Kingdom	.....	.....	.....
Continent	39,000	169,000	500,000
Orders	276,000	106,000	16,000
Others†	201,000	.....	.....
Totals	670,000	535,000	666,000

† Canada.

Since January 1

	Bushels	
To—	This year.	Last year.
United States	15,213,000	5,436,000
United Kingdom	472,000	291,000
Continent	9,689,000	12,937,000
Orders	11,255,000	6,676,000
Others	2,584,000	1,171,000
Totals	39,213,000	26,511,000

Visible Supply

	Bushels.
Last week	6,693,000
Previous week	6,693,000
Last year	6,693,000

INDIA.—Exports of flaxseed from India last week were as follows:—

	Bushels		
To—	Last week.	Previous week.	Last year.
United Kingdom	368,000	188,000	4,000
Continent	32,000	.....	8,000
Others	.....	.....	.....
Totals	400,000	188,000	12,000

	Bushels	
Since April 1—	This year.	Last year.
United Kingdom	1,124,000	1,972,000
Continent	80,000	536,000
Others	52,000	.....
Totals	1,256,000	2,508,000

HULL, May 28.—Quotations on flaxseed were:—

	Per ton	
	La Plata.	Bombay.
Saturday	£13⅛	£15⅝
Monday	13¼	15⅝
Tuesday	13¼	15¾
Wednesday	13¼	15¾
Thursday	13¾	15¾
Friday	13¼	15¾

Linseed Oil.—Quotations in the local market were unchanged and general conditions here remained about as noted in the previous week. So far as new business was concerned the market was extremely quiet. There was a steady movement into consuming channels on contracts previously placed, however, and supplies at the mills here remained at a low level.

The arrivals of flaxseed at New York from Argentina were liberal, amounting for the week to 448,720 bushels. Advices from Minneapolis reported rather liberal arrivals of Argentina seed in that market. There was also some increase in receipts of domestic seed. Demand for cash seed was good, prices paid for domestic product being somewhat lower than for Argentina seed. Predictions were heard of some expansion in domestic marketing in the near future as farmers are through, in some cases, with the work of seeding the new crop. It was contended by others, however, that very little old crop seed remains unsold.

There was little change in the character of crop news. Weather conditions were generally favorable. Additional moisture was received in some sections and the indications were said to point to an increase in the area as compared with last season though nothing of a definite character was available on this point.

MINNEAPOLIS, May 28.—Demand for linseed oil is slower now but there is a liberal open interest on crushers' books and shipping instructions on maturing contracts are very good. In one case a crusher had to cease selling for May delivery because of scanty supplies on hand and inability to make fresh supplies in sufficient volume to care for contracts due this month. Eastern interest in oil is fair but demand from northwestern and central states is much quieter than it has been.

Quotations on carload lots, f.o.b. Minneapolis, cooperage, 11.5c. per pound; tankcar lots, 10.9c. per pound, and warehouse lots, 11.9c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week	1,952,991	3,341,021
Since Sept. 1	53,812,123	84,500,523

SAN FRANCISCO, May 26.—Linseed oil remains steady with the market not very active. California's flax crop this season is expected to be in the neighborhood of some 700,000 bushels, which will account for approximately 225 tankcars of oil. Quoted:—Tankcars, 10.9c. per pound; drum car lots, ex mill, 11.5c.; drum lots, ex warehouse, 11.9c.

CHICAGO, May 28.—The linseed oil market is quiet and steady. Ruling prices are:—Tankcar, 10.9c. per pound; car lots, 11.5c.; warehouse deliveries, drums, 11.9c.

LONDON, May 28.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	29	7½
Monday	29	7½
Tuesday	29	7½
Wednesday	29	6
Thursday	29	7½
Friday	29	7½

Cake and Meal.—A steady tone continued to prevail in the local spot market, quotations being held at previous levels. The export inquiry for cake showed some increase, but purchases of meal for domestic account were limited to small quantities.

MINNEAPOLIS, May 28.—Demand for meal is straggly and without force, but crushers are holding prices up stubbornly. Re-sellers are in control at the moment but have only moderate lots purchased so the crushers expect to get back into the selling game shortly.

Quotations on carload lots f.o.b. Minneapolis $41 to $43.50. Some re-sellers are offering for less than $40 if they are pressed for shipping instructions on maturing contracts.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week	2,232,420	2,988,697
Since Sept. 1	87,091,258	161,053,067

Cottonseed Oil

Changes in refined oil futures were generally moderate. Trading less active. Southern markets quiet.

Cottonseed Oil.—Trading in refined cottonseed oil futures was quieter last week, local and other interests in some instances being disposed to curtail operations pending further developments in the hog and lard situation. The tendency of hog prices was reactionary at times despite a continuation of comparatively light receipts, and this made traders in lard and cottonseed oil disinclined to add materially to their commitments even if it failed to bring about any selling movement of consequence. Some who recently took the long side of lard and cottonseed oil were disposed to sell on advances, but much of the time there was an absence of aggressive selling. Although oil prices showed irregularity, fluctuations being frequent, the changes were generally within moderate limits. The market for corn displayed decided strength at times and this was not without effect upon sentiment in cottonseed oil circles.

There was an impression in some quarters that the monthly statement of lard stocks in Chicago may show a decrease in supplies during the past month as a result of the falling off in the movement of hogs. Arrivals of hogs in the principal western centers for four days of last week aggregated 132,500 head, against 195,300 head for the same time last year. The weight of the hogs received in Chicago during the week ended May 22 averaged 243 pounds, against 242 pounds in the previous week and 250 pounds in the same week last year. Vegetable oils, which compete with cottonseed oil, were generally steady or firm, although coconut oil was again shaded slightly. Tallow offerings were light and the market for that product was regarded by some as steadier. There was no increase in offerings of imported oils and fats for shipment.

The export inquiry for lard continued quiet despite the recent decline in lard prices in this country. According to an official report from Washington a decline in European hog production is expected during the last half of 1937 and a substantial reduction in slaughter during 1938 is in prospect The prospective decline in hog production together with the reduction which has occurred in world supplies of oilseeds and whale oil indicate that Europe will have need for increased supplies of western hemisphere lard during 1938, according to the report.

Crude cottonseed oil quotations were still generally nominal and quiet conditions are expected to prevail in the South until new crop supplies become available. Weather conditions over much of the cotton belt were favorable. The weekly government report stated that in Texas progress and condition of cotton are good to excellent in the extreme South with plants blooming, but in other large areas the condition is only fair because of continued lack of rains. The crop is withstanding the dryness fairly well, but rain is badly needed for planting and germination over much of the northern half of the state where work is very backward. In the southern half of Oklahoma planting is about three-fourths done and much is up to a good stand. In the central and eastern parts of the belt the week was generally favorable. Chopping is well advanced.

Following is a record of the market for bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 22 to May 28, inclusive:—

	Cents per lb. in tanks			Sales.
	High.	Low.	Close.	Tanks.
June	....	....	9.80 nom.	..
July	9.90	9.80	9.86@ 9.88	131
August	....	....	9.90 nom.	..
September	10.01	9.89	9.93 sale	169
October	10.01	9.85	9.90@ 9.93	70
November	....	....	9.90 nom.	..
December	9.93	9.80	9.83@ 9.85	161
January	....	....	9.85@ 9.90	..
Totals (14 switches)				545

Crude, Southeast, nom.
Valley, nom.
Texas, nom.

Chicago, May 28.—Changes of only minor import are reported in the cottonseed oil market. Buying has been along moderate lines. Good, off-Summer, yellow fig oil is 10½c. per gallon. Refined, edible oil is quoted at 12½c. to 13c. per pound, barrels, car lots; and 13¼c. to 13½c., barrels, less than car lots.

Hull, May 28.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	32	6	29	6
Monday	32	3	29	3
Tuesday	32	0	29	0
Wednesday	31	6	28	6
Thursday	31	6	28	6
Friday	31	6	28	6

Cake and Meal.—A steady or firm tone prevailed in Southern markets. Supplies of spot material continue to diminish and offerings remained light. Business was reported as quiet.

Atlanta, May 26.—Cottonseed products show no price changes for the past week. Oil continues at the low level it reached last month without signs of recovery.

Quotations of this market are as follows:—

OIL.—Prime crude, 8¾c. per pound.

MEAL.—7 percent grade, $41 per ton, interior mills.

HULLS.—$13 per ton.

Memphis, May 28.—The market for crude cottonseed oil remained quiet. With stocks at the mills well cleaned up, quotations were nominal. Cake and meal were quiet.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	May 20.	May 27.
July	$37.50@——	$36.00@36.50
September	30.25@30.75	29.00@——
October	28.25@29.00	27.50@——
December	——@——	26.50@27.50

Animal Oils

Lard.—There were no further developments in the way of price changes, the market being steady at the recent downward revision. There was a fair demand for the various grades from local and other buyers.

Neatsfoot.—The market remained steady on the basis of previous quotations. Consumers showed little disposition to anticipate, but a fair demand was noted for moderate quantities.

Oleo.—Demand showed some improvement, but aside from this the situation lacked features of interest. The tone was steady and prices remained where they stood in the previous week.

Tallow.—Quotations were unchanged and the tone of market was steady. Business was on a fair scale.

Fish Oils

Menhaden.—The market for refined oil was steady at the upward revision of quotations noted in the previous week. Consumers were still disinclined in many cases to purchase in advance of actual needs, but there were reports of a somewhat better inquiry for small or moderate quantities for prompt shipment. Crude was quiet with offerings light, 45c. being a nominal quotation.

Sardine.—Refined oil quotations were maintained at former levels, the tone of the market being steady. There was a fair demand, though consumers were not disposed to anticipate. Crude was quiet and nominal.

Whale.—A steady tone prevailed in the market for refined oil, quotations being held at previous levels. There was a fair demand. Advices from London last week stated that the first German whaling expedition has just returned to Hamburg, bringing 61,000 tons of whale oil and 10,000 tons of meal. The next expedition will probably leave Hamburg in September. In Norway, it is reported, a law has been enacted extending the existing embargo on sales of floating whale factories to foreign countries to include the sale or renting to foreigners of whale-hunting ships.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

FISH OILS
Producers and Refiners
Crude-Refined-Bleached
We invite your inquiries
THE MENHADEN FISH PRODUCTS CO.
108 E. York Street, Baltimore, Md.

CHLOROPHYLL
BETA CAROTENE XANTHOPHYLL
ALL GRADES AVAILABLE
AMERICAN CHLOROPHYLL, Inc., 570 Lexington Ave., New York - Alexandria, Va.

HEADQUARTERS FOR
DEGRAS
COMMON • NEUTRAL
FATTY ACIDS
LANOLIN
ANHYDROUS & HYDROUS, U.S.P.
TECHNICAL • ABSORPTION
BASE
N. I. MALMSTROM & CO. 147 LOMBARDY ST. BROOKLYN, N. Y.

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yopps, Robinsons, Bentleys, A. B. C. 5th Edition

FALKOVAR 400
Every month shows greater use of Falkovar YY, where a high quality, low-cost oil is required. However, to meet the demand for those products where Falkovar YY is too dark in color, our new FALKOVAR 400 was developed.
The color is lighter than 18 on the Gardner-Holdt Scale—somewhat darker than the standard grades of our Falkovar A Blown Fish Oil, but sufficiently light for clean, pure tints.
Samples and descriptive literature sent upon request
FALK & COMPANY
PITTSBURGH, PA.

Markets at Other Centers

San Francisco, May 26.—Excepting for some minor sales activity in specialty fish oils, this market was a repetition of the previous week in that there was nothing of any importance transpiring. All up and down the Coast, however, there were signs of the new season approaching. Alaska herring oil producers finally got their differences settled with the fishermen and agreed on a raw fish price that will approximate $11.50 or $12 per ton, and the boats are scheduled to go out next month. Canadian pilchard activity is scheduled to go ahead after July 15.

Sales on fish oils for delivery out of the new season are as yet uninitiated insofar as the producers themselves are concerned, in spite of the fact that some speculative operations in this direction have already been transacted. Prices are pure guesswork at present.

An important meeting of the California Fish & Game Commission is scheduled to take place on June 10, at which time fish reduction permits for shore plants will be discussed, while at the same time the status of the floating reduction plants will also be drawn into the meeting.

Baltimore, May 26.—With the menhaden fleet down the Chesapeake Bay scheduled to go out early next week, interest in the market for fish oil increased, but there were no further transactions reported, following the disposal of a number of tanks at 45 cents per gallon. There were signs that potential buyers might even balk at paying 40 cents a gallon, while the sellers naturally manifested a decided disinclination to accept the suggested drop, and exhibited no eagerness even to take on orders at 45 cents.

Fats and Greases

Lard. — The market for futures in the West was irregular, but changes were narrower than in the previous week, and the tone of the market here for cash product was fairly steady. There was a moderate demand from domestic consumers, but the export inquiry continued light.

Stearin. — Demand was light and the market had an easy tone, quotations being shaded ¼c. per pound.

Tallow. — Quiet conditions prevailed in the local spot market much of the time. Occasional inquiries were noted for small lots, but large consumers were disposed to hold off and await further developments after the recent decline. The last business reported was on the basis of 8⅛c. per pound for extra, f.o.b. The market for tallow futures remained quiet.

Following is a record of the market for tallow futures on the New York Produce Exchange from May 21 to May 28, inclusive:—

	Cents per lb. in tanks—High.	Low.	Close.	Sales, Tanks.
June	...	...	8.15@ 8.50	..
July	...	...	8.25@ 8.40	..
August	...	...	8.40 nom.	..
September	8.50	8.50	8.30@ 8.65	1
October	8.50	8.50	8.30@ 8.65	1
November	...	...	8.50 nom.	..
Totals				2

Markets at Other Centers

Chicago, May 28.—Improvement in the tone of the cash lard market has been noted here, in accordance with the run-up in values in the more speculative futures market. Trade has picked up in a somewhat spotty, irregular fashion.

The range of lard quotations from the opening Saturday, May 22, to the close Friday, May 28, is shown in the following table:—

	Per 100 pounds—Open.	High.	Low.	Close.	Previous Friday.
Cash	$12.30	$12.32	$12.20	$12.32	$12.20
July	12.45	12.57	12.25	12.40	12.35
Sept.	12.72	12.90	12.50	12.70	12.65

TALLOWS (tierces).—Edible, 8¾c. to 9c. per pound; prime, 8½c. to 8¾c.; fancy, 8½c. to 8¾c.; special, 8¼c. to 8⅜c.; No. 1, 8¼c. to 8⅜c.

GREASES (tierces).—Choice white, 9c. to 9¼c. per pound; A white, 8½c. to 8¾c.; B white, 8¼c. to 8½c.; yellow, 10-16, 7⅞c. to 8c.; yellow, 16-20, 7¾c. to 8c.; brown, 7¼c. to 7½c.

STEARINS (barrels).—Prime oleo, 9¾c. to 10c. per pound; lard, packaged, 12¾c. to 13c.; A white grease, 8½c. to 8¾c.; extra oleo stocks, 12c. to 12½c.; No. 2 stocks, 11½c. to 12c.

Liverpool, May 28.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	May. s. d.	July. s. d.	Sept. s. d.
Saturday	67 6	61 0	60 3	60 6
Monday	68 0	61 6	61 0	61 3
Tuesday	68 0	62 0	61 3	61 6
Wednesday	67 6	61 0	60 6	60 6
Thursday	67 6	61 6	60 6	60 9
Friday	68 6	62 9	62 0	62 0

Liverpool, May 28.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	27 6	25 3
Monday	27 6	25 0
Tuesday	27 6	25 0
Wednesday	26 0	25 0
Thursday	26 0	25 0
Friday	26 0	25 0

Fatty Acids

Red Oil.—Quotations were stationary and the tone of the market appeared to be steady. Business lacked snap, but there was a fair request for moderate quantities.

Stearic Acid. — A steady tone prevailed, selling schedules being maintained at former levels by producers. There was little change in the character of business, consumers being disposed to adhere to a conservative course in making purchases.

Markets at Other Centers

Chicago, May 28.—Changes in fatty acids are few and the tone of the market mostly seems quite steady. Buyers have taken out material in rather steady fashion, but the volume has not been extremely heavy at any time. Sellers are not trying to force business.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8¾c. to 9c. per pound, tankcar, partly nominal; 9¼c. to 9½c., barrels, car lots; 9¾c. to 10c., barrels, less than car lots; cottonseed oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; settled cottonseed soap stock, 65 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 2¾c. to 3c.

STEARIC ACID.—Single press, distilled, 12c. to 13c. per pound; double press, 12½c. to 13½c.; triple press, 15¼c. to 16¼c.

RED OILS.—Distilled or saponified, drums, 11½c. to 12½c. per pound; barrels, 11⅝c. to 12⅝c.

Waxes

Bees. — The market was strong. Activity was of fair size on the side of sales, and bleaching operations kept the producers of bleached wax keenly busy now that satisfactory weather conditions have made possible full scale working of the sun bleacheries. Prices were firmly maintained in all respects because of the comparative high cost of raw material obtained for this season's operations.

Candelilla. — A somewhat narrow market came in company with dull and almost lifeless prices. Conditions were favorable for buyers, but their requirements were but the shadow of normal consuming needs.

Carnauba. — The strong Brazilian market acted to the full support of the local trade, regardless of the fact that actual consuming demand was none too brisk at any time during the past week. Stocks in the hands of the consumers were meeting their requirements readily, and hence interest in parcels for later delivery was conventional at the best. However, local dealers declared that spot prices were too close to replacement cost, and hence they were disposed to await the revival of demand, holding values firm the meanwhile.

Japan.—The consuming market was narrow and spot prices were comparatively easy under the presence of substantial competition for the limited amount of demand prevailing during the past week. Hand-to-mouth request was the rule. Stocks were ample for more than current takings. Spot prices and replacement cost were almost at parity.

Cottonseed Statistics: August-April

Cottonseed received at mills, crushed, and held, and cottonseed products manufactured, shipped out, and held, August 1 to April 30, 1937, and 1936, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed, and Held

	Received at mills* Aug. 1 to April 30. 1937.	1936.	Crushed Aug. 1 to April 30. 1937.	1936.	On hand at mills April 30. 1937.	1936.
	Tons					
United States	4,415,228	3,678,240	4,279,306	3,669,931	157,613	97,884
Alabama	330,424	285,754	327,718	288,619	3,423	6,125
Arkansas	443,011	291,162	426,605	284,343	17,032	9,228
California	173,785	93,600	151,786	88,134	23,107	5,815
Georgia	466,888	416,057	453,408	425,013	15,122	13,212
Louisiana	231,436	173,177	231,112	172,889	1,998	1,651
Mississippi	817,561	509,053	745,549	494,193	74,048	27,872
North Carolina	231,090	222,299	229,663	227,012	2,117	5,364
Oklahoma	82,908	192,166	83,024	193,424	939	985
South Carolina	218,298	204,303	218,127	202,476	1,356	3,588
Tennessee	352,914	230,455	346,003	232,738	7,722	2,123
Texas	904,505	956,067	904,997	956,764	9,384	21,715
All other states	162,498	104,147	161,314	104,326	1,365	206

* Includes seed destroyed at mills but not 21,926 tons and 89,575 tons on hand August 1, nor 82,230 tons and 51,887 tons reshipped for 1937 and 1936, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand August 1.	Produced Aug. 1 to April 30.	Shipped out Aug. 1 to April 30.	On hand April 30.
Crude oil, pounds—				
1936-1937	*19,191,508	1,291,897,528	1,285,006,406	*68,186,016
1935-1936	28,262,543	1,114,161,379	1,059,557,068	85,655,583
Refined oil, pounds—				
1936-1937	†318,873,305	‡1,182,224,126	.....	†586,597,235
1935-1936	444,833,215	980,501,236	.....	487,994,299
Cake and meal, tons—				
1936-1937	65,053	1,921,780	1,885,634	101,199
1935-1936	198,367	1,663,597	1,659,543	202,421
Hulls, tons—				
1936-1937	23,893	1,090,249	1,020,033	94,109
1935-1936	76,604	950,250	931,891	94,963
Linters, running bales—				
1936-1937	43,819	1,065,808	960,476	149,151
1935-1936	71,292	836,079	793,255	114,116
Hull fiber, 500-lb. bales—				
1936-1937	88	44,460	42,036	2,512
1935-1936	1,332	35,408	36,084	656
Grabbots, motes, etc., 500-lb. bales—				
1936-1937	2,991	49,635	41,585	11,041
1935-1936	5,966	40,473	35,592	10,847

* Includes 6,232,774 and 39,089,780 pounds held by refining and manufacturing establishments, and 4,411,300 and 13,657,680 pounds in transit to refiners and consumers August 1, 1936, and April 30, 1937, respectively.

† Includes 15,100,446 and 5,370,105 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments, and 9,643,060 and 14,937,055 pounds in transit to manufacturers of lard substitute, oleomargarine, soap, etc., August 1, 1936, and April 30, 1937, respectively.

‡ Produced from 1,261,282,323 pounds of crude oil.

Exports and Imports for Eight Months Ended March 31

	1937.	1936.
Exports—		
Oil, crude, pounds	179,289	294,063
Oil, refined, pounds	1,530,583	2,099,474
Cake and meal, tons of 2,000 pounds	4,030	10,240
Linters, running bales	176,971	165,986
Imports—		
Oil, crude, pounds	*14,554,259	10,344,832
Oil, refined, pounds	*86,262,322	78,009,743
Cake and meal, tons of 2,000 pounds	18,446	2,469
Linters, bales of 500 pounds	36,498	†.....

* Amounts for April not included above are 1,198,400 pounds crude and 15,414,821 refined, "entered directly for consumption," 1,261,180 crude and 1,073,841 refined, "withdrawn from warehouse for consumption," and 112,164 crude and 1,823,553 refined, "entered directly into warehouse."

† Not available.

Unilever Profits Rose 42 Percent in 1936

The consolidated profit for 1936 of Unilever, Ltd., vegetable oils, and its subsidiaries, shows an increase of over £1,000,000 at £3,463,038, compared with £2,432,156 for 1935. A final dividend of 4 percent is being paid, making 7 1/3 percent for the year. The Dutch half of the group—Unilever N. V.—shows an increase of about 2,000,000 florins ($1,110,000) in profits.

The directors state that although in some countries the profits on margarin showed a reduction due to further government restrictions, the increase in the trade in unrestricted countries has been such that in total both the turnover of the margarin and soap interests are higher than in 1935. The improvement in the oil and cake trade has continued and profits again show an increase.

Margarin Manufacturing Operations in March

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in March, 1937, compared with March, 1936, as follows:—

	Pounds—March, 1937.	March, 1936.
Production of uncolored margarin	35,833,443	33,541,659
Production of colored margarin	160,459	252,603
Total production	35,993,902	33,794,262
Percent increase, 6.5%.		
Uncolored margarin withdrawn, tax paid	35,974,170	33,991,252
Colored margarin withdrawn, tax paid	64,788	60,716

Ingredients used in the production of colored and uncolored margarin in March, 1937, compare with March, 1936, as follows:—

In Uncolored Margarin

	Pounds—March, 1937.	March, 1936.
Babassu oil	2,349,980	2,849,728
Coconut oil	5,181,715	13,160,094
Corn oil	147,147	98,672
Cottonseed oil	14,596,856	8,783,733
Derivative of glycerin	104,262	89,245
Lecithin	2,603	1,767
Milk	6,737,362	6,564,464
Neutral lard	179,231	202,358
Oleo oil	1,532,146	1,239,851
Oleo stearin	230,273	277,492
Oleo stock	158,089	191,499
Palm oil	202,447	174,776
Palm kernel oil	959,202	.....
Peanut oil	320,065	400,195
Salt	1,494,269	1,746,526
Sesame oil	.....	9,234
Soda benzoate	17,928	15,120
Soybean oil	8,852,144	289,814
Totals	38,059,919	36,094,568

In Colored Margarin

Babassu oil	4,342	6,561
Coconut oil	15,553	128,454
Color	157	216
Corn oil	990	33
Cottonseed oil	49,634	34,005
Derivative of glycerin	279	235
Lecithin	.....	.....
Milk	36,761	57,640
Neutral lard	5,873	5,138
Oleo oil	25,959	30,326
Oleo stearin	7,580	600
Oleo stock	2,188	2,617
Palm oil	11,110	2,300
Peanut oil	1,278	359
Palm kernel oil	725	.....
Salt	11,477	20,695
Soda benzoate	47	89
Soybean oil	10,354	550
Totals	184,287	289,818

S.-W. Again Sponsoring 'Radioland' at Exhibit

The Sherwin-Williams Company again is sponsoring "Radioland" at the 1937 Great Lakes Exposition, which opened in Cleveland May 29, to continue for 101 days. A large orchestra shell, housing "Radioland," is located in the heart of the exposition grounds and in it will appear stars of stage, screen, and radio, as well as outstanding orchestras and feature acts.

Lime Acetate Freights Up

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Delaware & Hudson railroad, on acetate of lime; carload; from Maryland to Rensselaer, on the New York Central railroad, 13 cents per hundredweight; increase 1 cent; effective June 20.

Gasoline Freights Advanced

The Public Service Commission has approved cancellation by the Baltimore & Ohio railroad of its commodity freight rates on gasoline and related commodities as specified in the tariff in tankcars, from Rochester to Manchester and Mortimer on the Lehigh Valley railroad; advances to class rates; effective June 8.

Trade News Briefs

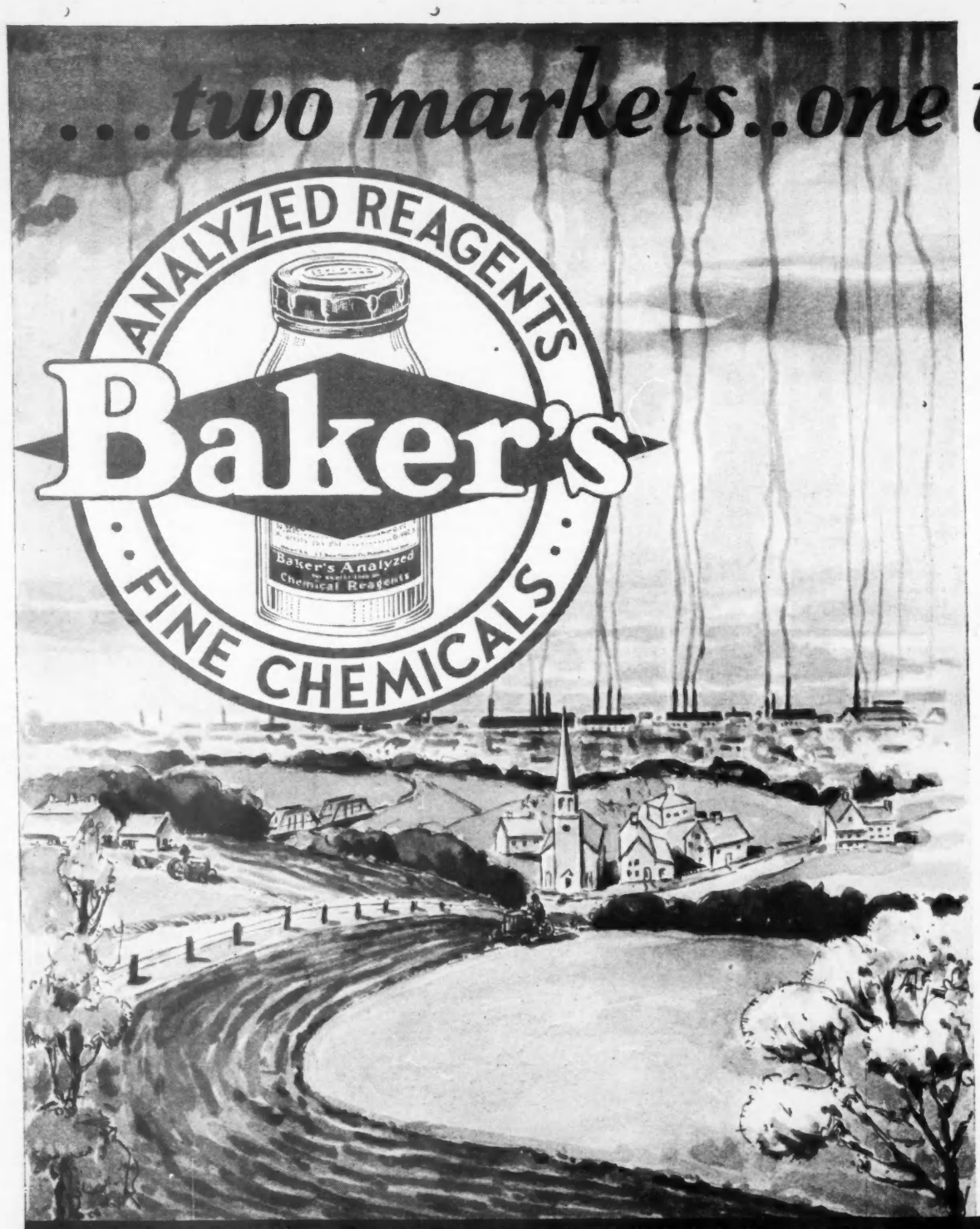
International Vanadium Corporation, Globe, Arizona, is enlarging and developing its Dripping Springs property.

Nevada Tungsten Corporation is planning the construction of a reduction plant at its mines near Gardnerville as soon as the weather permits.

I. G. Farbenindustrie directors have decided to recommend a dividend of 7 percent for the last year, which is the same as that for 1935. Net profit for the year was 55,000,000 marks.

Aluminum Company of America is to start work at once on a metal working plant at Lafayette, Ind., which will employ several hundred workmen. The company has completed negotiations for the purchase of 90 acres of land southwest of the city.

David W. Burbage, mayor of Lewes, Del., organizer of the old Coast Fish Oil & Fertilizer Company, harbor-master, ship broker, banker, and pioneer in the menhaden fishing industry centered in Lewes, celebrated his seventy-fourth birthday May 22.



SATISFACTION!

In the laboratories of many of the foremost pharmaceutical manufacturers, you will find Baker's C. P. Analyzed Reagents. They have chosen these precision reagents, purity plainly labeled to the decimal, to safeguard their products and their precious trade-marks. No reagent with unknown limits of impurities will do.

When Baker entered the fine chemical field, supplying purity by the ton, it was only natural that these same companies should place their trust in an organization long schooled in exacting standards of purity.

Today these two markets feel the security of safeguarding their products with a single trade-mark—and with one result—satisfaction.

This satisfaction is reflected in the continual growth of the J. T. Baker Chemical Co. and the surge forward, year after year, of their fine chemical sales.

If, by chance, you have yet to discover the wideness of the Baker line of Fine Chemicals and their high quality standards, we would welcome the opportunity to place you on the Baker mailing list, or have you talk over your problems with a Baker sales representative.

A partial list of Tonnage Fine Chemicals held under rigid control, at no price premium.

- Alkali Bromides
- Potassium Iodide
- Magnesium Oxide
- Cream of Tartar
- Bismuth Subcarbonate—Subnitrate and other Salts
- Caustic Potash and Soda Sticks and Pellets
- Rochelle Salt
- Lead Acetate
- Salicylates

Baker's Fine Chemical Sales have climbed rapidly every year since their introduction.

1934

1935

1936

J. T. BAKER CHEMICAL CO., Phillipsburg, N. J.

NEW YORK 420 Lexington Avenue
PHILADELPHIA 220 S. 16th Street
CHICAGO 435 N. Michigan Avenue

BAKER'S FINE CHEMICALS FOR PHARMACEUTICAL MANUFACTURERS

Drugs, Fine Chemicals

Calomel and Corrosive Sublimate Advanced as Quicksilver Rise Is Extended in Strong Market — Soaplye and Saponification Glycerin Down—Strength Rules All Tartrates

Exempting seasonal items from consideration, most producers of drugs and fine chemicals found business to be somewhat quiet during the past week. A lull in buying has spread over the market somewhat thinly, but still to an extent that has flattened slightly the curve of business activity in these entities. Against this condition of affairs was the undoubted improvement in the call for seasonal items, particularly for citric and tartaric acids. Hot weather in the east raised the call for both of these articles substantially and created a market of firm undertones on the former and strengthened materially the already strong position of the latter.

Pricewise, the market was productive of three advances which were based mainly on either a higher production cost, or an increased cost to replace. Quicksilver was advanced in a very strong world market for that item, and the rise carried calomel and corrosive sublimate, derived materials, to still higher price levels. None of the other quicksilver derivatives were advanced, but all of them were stronger.

Glycerin continued to display an easier tone and the quotations on soaplye and saponification were reduced. Chemically pure and dynamite glycerin had been reduced in the previous week when no change was made in quotations on crude. Hence, chemically pure and dynamite were unchanged last week.

Tartar products were strong. Raw material has been advanced sharply in price over the past several weeks, carrying derived materials up, too. Last week, the group lacked change but the tendency was still upward. No further buying of strychnine by the Federal government departments was reported last week.

Acid, Citric.—Very seasonal weather last week raised the demand for this acidifier. The beverage trade were active takers and volume showed a substantial gain by the end of the period. Prices proved to be very steady.

Acid, Tartaric. — Demand was expansive because of seasonal conditions that raised the needs of the beverage manufacturers. Prices were very firm. Raw material costs have been maintained at the recent advance and conditions did not forecast an easing of that situation in the nearby future.

Alcohol.—Completely denatured alcohol in tanks was priced uniformly at 34c. per gallon, car lots, drums; twenty drums, 36c.; one to nineteen drums, 39c. The market was very firm thereat now that the basis has become general. Specially denatured formulas were in steady position and subject to a very good consuming request. The further advance in corn prices—the top price for seventeen years was reached last week—contributed to the rising cost to manufacture pure ethyl alcohol from grain and hence that article was in stronger position.

Aloin.—Reports from the primary market were to the effect that conditions prevailing had not been favorable to the normal production of raw material. Aloin on the spot remained steady to firm last week under light demand.

Barium Sulphate.—Demand for X-ray material was normal and the market was on a very steady price basis because of the absence of competition. Stocks were plentiful.

Bismuth Metal and Salts.—Demand of normal sort contributed to the general stability of prices, a condition directly the result of the well maintained cost of metal and the excellence of demand for the same. The movement of salts was satisfactory.

Cadmium Metal and Salts.—Movement of metal to the platers continued in excellent volume and stocks unsold in the hands of the leading suppliers were comparatively small. Production has been well sold ahead. Prices were virtually nominal.

Caffeine.—Business was very good on the whole. The movement of alkaloid was well up to expectations and the price schedule for that material was very steady. Call for citrated caffeine, as well as for the hydrobromide, was routine and comparatively small.

Calomel.—Quotations were advanced sharply once more last week. The market became $1.59 to $1.60 per pound. The rise was attributed to the strong position occupied by quicksilver in all markets of the world. The latter was higher on spot last week.

Camphor.—Demand was of routine character and not very active last week. Replacement costs continued to be sufficiently steady to keep spot quotations well maintained and free from fluctuation. Imports of natural crude and refined material, plus those of the synthetic material, in the first quarter of the past four years, were as follows:—

	Pounds		
	Natural		
	Crude.	Refined.	Synthetic.
1934	931,085	509,324	106,496
1935	455,424	491,648	275,345
1936	846,032	220,988	573,312
1937	805,556	432,676	293,567

Castor Oil.—Business has decreased somewhat. A lull to demand has come over the market without weakening the price structure so far as could be learned last week. Inventories of manufacturing consumers were meeting their current needs very well. Prices appeared to be about steady.

CHICAGO, May 27.—The castor oil business is moderately good, and the price structure holds steady. Orders are coming in from the trade at large in fairly good totals. Suppliers say the inquiries also are brisk. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, less than car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Codliver Oil.—Fishing in Norwegian waters has been hampered by stormy weather and the output in Finmarken has not proven to be very satisfactory as yet. However, prices prevailing abroad have been supported by the very good sales of goods for later delivery to this market.

BERGEN, May 4.—Last week fishing was hindered by stormy weather to a great extent and the production of crude medicinal codliver oil amounted only to 1,261 barrels, against 2,401 barrels the same week last year. According to the official report issued yesterday, Norway's total catch and production so far compare with previous years as follows:—

	Fish, kilos.	Crude oil, barrels.
1937	135,200,000	61,375
1936	103,400,000	46,528
1935	91,000,000	49,973
1934	124,500,000	67,735
1933	119,000,000	61,428

Due to the poor fishing in Finmarken holders of crude oil are reluctant to sell and prices have gone up somewhat.

Corrosive Sublimate.—The cost of manufacture was raised again last week by increases in the cost of quicksilver. The latter was very strong in all world markets. New quotations on sublimate were $1.22 to $1.23 per pound for powder or granular and $1.37 to $1.38 for the crystals.

Corn Syrup.—Although the grain market was strong and advancing last week, no change in quotations on syrup

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

Calomel, 9c. per lb.
Corrosive sublimate, crystals, 7c. per lb.
powder, 7c. per lb.
granular, 7c. per lb.
Quicksilver, $1 per flask.

Reduced

Glycerin, soaplye, 2c. per lb.
saponification, 2½c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
181.5	**181.5**	**181.1**	**183.9**

Market news that may have developed after this report was sent to press will be found on page 4.

U.S.P.
GLYCERINE
TARTARIC ACID
CREAM OF TARTAR
CITRIC ACID
ROCHELLE SALTS
THE HARSHAW CHEMICAL CO.
Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality Products Since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

HEYDEN
fine chemicals
FORMALDEHYDE
PARA FORMALDEHYDE
HEXAMETHYLENETETRAMINE
Acetyl Salicylic Acid
Salicylic Acid
Sodium Salicylate
Methyl Salicylate
Minor Salicylates
Guaiacol
Creosote
Guaiacol Carbonate
Creosote Carbonate
Potassium Guaiacol Sulfonate
Benzoate of Soda
Benzyl Chloride
Benzoic Acid
Benzaldehyde
Bromides
Silver Proteins
Glycerophosphates
FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORP.
50 UNION SQUARE NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. WACKER DRIVE
factories: GARFIELD, N.J. - PERTH AMBOY, N.J.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

Every Tablet of
SHERKA
CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .

Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U. S. P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder — all available from one source.
Write for comparative samples and prices to
SHERKA CHEMICAL CO., Inc. Bloomfield, N. J. — Importers
or
GEORGE UHE COMPANY
80 Eighth Avenue, New York, N. Y.
Distributors

RUSSIAN WHITE MINERAL OILS
Genuine Imported U. S. P.
FLAG BRAND WHITE OILS
All Viscosities
TECHNICAL WHITE OILS FOR INDUSTRIAL USE
Stocks carried in New York and other cities
S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK

MILK SUGAR
NATIONAL BRAND
National Brand Sugar of Milk has been the standard of Quality the world over since 1883.
Powdered Granular Impalpable
NATIONAL MILK SUGAR CO., Inc.
350 Madison Avenue, New York, N. Y.

Buyers Prefer
"O-P-D"
Market Information
because it is
Definite and
Accurate

Established 1910
HUISKING
IMPORTERS AND EXPORTERS
DRUGS, CHEMICALS, OILS, RAW MATERIALS, Etc.
BEESWAX
CAMPHOR NATURAL, Japanese
CAMPHOR, U. S. P. XI, DuPont
COCOA BUTTER, U. S. P.
LANOLIN
MENTHOL
SULPHUR PRECIPITATE
(Finest Quality Imported)
WITCH HAZEL
ZINC OXIDE HUBBARDS
CHAS. L. HUISKING & CO.
— INCORPORATED —
Chicago Branch: 561 East Illinois Street
155 Varick Street, New York, N. Y.

McKESSON
Representing
E. I. du Pont de Nemours & Co., Inc.
SYNTHETIC CAMPHOR
U. S. P. XI
Solvay Sales Corporation
ALKALIES
Hawaiian Pineapple Company
CITRIC ACID
U. S. P.
Stafford Allen & Sons, London, England
DIGITALIS LEAVES
(ALLEN)
Isdahl & Co., Ltd., A/S
COD LIVER OIL
Acetanilid, Benzoates, Chromic Acid, Chloroform, U. S. P. & Tech.
Menthol, Lycopodium, Paradichlorbenzene, Quinine Sulphate
McKESSON & ROBBINS, INC.
NEW YORK BRIDGEPORT MONTREAL

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N. Y.
MUrray Hill 6-1950

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street *Phone Superior 5940* Chicago, Ill.

BORAX
Reg. U. S. Pat. Off.
PURITY GUARANTEED OVER 99.5%
Reg. U. S. Pat. Off.
AND BORIC ACID
"TRONA" MURIATE OF POTASH
TRONA Reg. U.S. Pat. Off.
TRONA Reg. U. S. Pat. Off.
A 95-98% Grade for Agricultural Use.
A Special High Grade for Use in the Manufacture of Industrial Chemicals.
AMERICAN POTASH & CHEMICAL CORPORATION
70 PINE STREET - NEW YORK
Stocks carried in principal cities of the United States and Canada

was made during the period under review. Leading makers said that the market was exceptionally firm, but that they hoped to avoid a further increase in the price of their product.

Cream of Tartar.—Prices were firm at the recent advance, and, in view of the continued strength in quotations on raw material, little chance for a decrease in production costs was the immediate prospect. Demand was normal.

Glycerin.—Prices on crude and saponification materials were lowered last week. Soaplye crude stood at 14c. to 14½c. per pound, while saponification was 15½c. to 16c. This was in line with the sharply lower quotations named on chemically pure and dynamite grade in the previous trading period. There was some feeling that present prices might be maintained for a while, but the tendency still was for values to move in favor of the buyer.

CHICAGO, May 27.—The glycerin market is steadier, following recent sharp price declines. Business in c.p. material is reported fairly good considering the circumstances. Ruling prices are:—C.p., drums, car lots, 21½c. per pound; drums, less than car lots, 22c.; cans, less than car lots, 23½c. to 25c., according to quantity; dynamite, car lots, 21½c.

Menthol.—The market was quiet. Most of the consumers reported stocks sufficient to meet their needs and others traded in a jobbing fashion that covered all nearby requirements. Prices were generally steady in all quarters.

Menthyl Salicylate.—Sellers look forward to an excellent Summer season of this article. Makers of so-called suntan oils were expected to take substantial quantities for a number of weeks to come. The market was steady to firm from whatever angle.

Methanol.—The market was one of routine activity that came in company with prices said to be generally steady and free from basic weakness of any sort. Reports from abroad indicated that the Swedish production of this item in 1935 totaled 1,382 metric tons, comparing with 1,582 metric tons in 1934.

Methyl Acetone.—Although the market was still somewhat unsettled, official price schedules lacked open change. Business was routine in most respects and volume was conservative in size.

Milk Powder.—The market on powder made from skimmed milk was reported to have become steadier, possibly for the reason that large buying by Federal government agencies for distribution as a part of government relief projects had taken up practically the slack in the market. Further buying by the government would be not unlikely. In the meantime, producers said that they were receiving ample supplies of milk for processing purposes, such receipts being far ahead of those a year ago at this time. Powder made from whole milk was generally firm and stocks were said to provide not more than a reasonable reserve wherewith to meet the possible expansion in demand that may come in the hot weather months. Prices were firm on the basis of 17c. per pound in car lot quantities.

Quicksilver.—Quotations were advanced to $97 to $99 per flask and some quite substantial business was done in confirmation of the prices quoted. Throughout the world, this metal is in a position quite the strongest for a long time past and leading factors on this market said last week that signs of a change in that aspect of the market were totally lacking at this time.

SAN FRANCISCO, May 24.—Quicksilver is very strong because eastern consumers are disposed to contract ahead, together with active buying on the spot market. Sellers here are quoting on a New York basis of from $96 to $101, but the actual going figure is somewhere between these prices. It is not thought that buyers are quite ready yet to buy metal on a three-figure basis, although sellers here maintain that time is probably very close.

Quinine.—Business was very good and entirely in line with seasonal expectations. Prices were fully firm at all times, and signs of a change were lacking. By virtue of the Crisis Cinchona Ordinance of 1935, a small payment is charged for permits to export cinchona bark from the Netherland Indies, the amount collected from this levy being used for the purpose of continuing the research work formerly undertaken on the product by private experimental stations. The levy fixed for 1936 was f.o. 48½ per 100 kilos dry cinchona bark, but, by order of the Governor General of January 25, 1937 (published in the "Javaschr Courant" of February 2, 1937), this levy for 1937 was raised to f.o. 51 per kilos dry cinchona bark.

Rochelle Salt.—Strength was basic in this article because of the prevailing cost of production based on raw material at prices already paid in the producing markets. Quotations on the derived material were very firm last week and they were well supported by satisfactory demand.

Seidlitz Mixture.—Quotations were firm at the levels reached by the advance in the previous trading period. The present strength of the market rests in the prevailing cost of raw material; it is a cost reached through successive advances in prices paid abroad. Demand was normal.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces: —small lots cost from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅞	44⅞	20⅜
Monday	32⅞	44⅞	20⅜
Tuesday	32⅞	45	20⅜
Wednesday	32⅞	45	20⅛
Thursday	32⅞	45	20⅛
Friday	32⅞	45	20⅛

New Jersey Pharmacists Hear Dr. Beal and Dean Schicks

The northern New Jersey branch of the American Pharmaceutical Association at its May meeting heard addresses by Dr. George D. Beal, assistant director of the Mellon Institute of Industrial Research and president of the American Pharmaceutical Association, and Assistant Dean George C. Schicks, of the Rutgers College of Pharmacy.

Dr. Beal in his address related the history of the Mellon Institute from the time it was first proposed by the late Dr. Robert K. Duncan to its present stage, explained the fellowship arrangements at the institute, and described a number of the industrial advances which have resulted from research at the institute.

Smith Richardson to Be LL.D.

H. Smith Richardson, chairman of the board of the Vick Chemical Company, Greensboro, N. C., will receive the degree of doctor of laws from Presbyterian College, Clinton, S. C., at the commencement exercises May 31. Mr. Richardson was educated at Davidson College and the United States Naval Academy. He is a member of the board of trustees of Davidson College, and a resident of New York. The president of Presbyterian College is William P. Jacobs, formerly executive vice-president of the Institute of Medicine Manufacturers.

N.Y. Extends Alcohol Permits

ALBANY, May 26, 1937.

Governor Lehman has approved the Dooling bill (A. I. 1876, A. P. 2112) which authorizes the State liquor authority to issue special permits for the purchase of alcohol to dentists, veterinarians, optometrists, and chiropodists. The bill amends section 92 of the alcohol beverage control law.

F. W. Fitch Company, toilet preparations, Des Moines, Iowa, has purchased from the Lanman & Kemp-Barclay Company the manufacturing, power, and storage buildings, with the land, at Avenue A and Gertrude street, Bayonne, N. J.

Millions of pounds of Dow pharmaceutical chemicals are used annually in the manufacture of medicinal and pharmaceutical products. Dow numbers among its many customers, manufacturers who have purchased its products for more than 25 years.

Such preference is obtained only through constant maintenance of high standards of purity and uniformity. There is tangible value in placing dependence in products that command such pronounced respect.

• • •

THE DOW CHEMICAL COMPANY, MIDLAND, MICH.

Branch Sales Offices: 30 Rockefeller Plaza, New York City—Second and Madison Streets, St. Louis—135 South La Salle Street, Chicago

DOW *Trade Mark Registered U. S. Patent Office

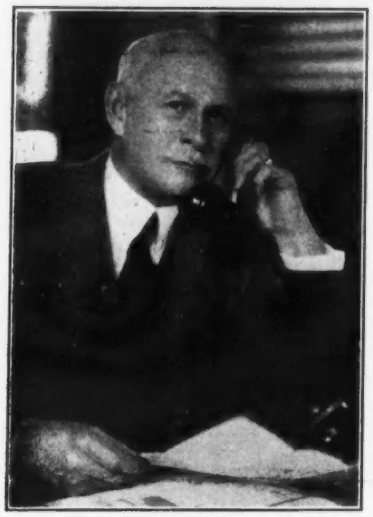
CHEMICALS OF QUALITY
MEDICINALS
ACETANILID U. S. P.
ACETOPHENETIDIN U. S. P.
AMMONIUM BENZOATE U. S. P.
ASPIR GRAN
ASPIRIN
(Acetyl Salicylic Acid U. S. P.)
ASPIRIN STARCH GRANULATIONS
10%, 15% and 20%. Also pink and green 10%.
CAFFEINE U. S. P.
CHLORAL HYDRATE U. S. P.
CHLORAMINE-T U. S. P.
GLYCEROPHOSPHATES
PHENOL U. S. P.
(CARBOLIC ACID)
PHENOLPHTHALEIN U. S. P.
PHOSPHATES
SALICYLIC ACID U. S. P.
SODIUM SALICYLATE U. S. P.
Etc.
Monsanto Chemical Company
ST. LOUIS, U.S.A.
30 Rockefeller Plaza
NEW YORK
Tribune Tower
CHICAGO
Everett Station
BOSTON
Brown Marx Bldg.
BIRMINGHAM
Johnston Building
CHARLOTTE
Midland Building
CLEVELAND
373 Brannan Street
SAN FRANCISCO
378 St. Paul St., West
MONTREAL

Fifty-Fifth Annual Meeting

The Proprietary Association

New York, May 25 to 27, 1937

The Proprietary Association convened in its fifty-fifth annual meeting in the Hotel Biltmore, this city, May 25 to 27. The sessions of Tuesday morning were given over to memorials for the late president of the association, Frank A. Blair. Business sessions which followed the memorial traced the progress of the organization and reviewed those factors, such as legislation, advertising,



Frank A. Blair

foreign trade, and scientific developments, which affected the proprietary medicine industry during the past year.

The convention was opened Tuesday by E. K. Hyde, of Buffalo, N. Y., second vice-president of the association, acting in the place of Henry P. Bristol, first vice-president, who is in Europe. Mr. Hyde immediately appointed George P. Miller, of the Musterole Company, chairman of the sessions.

Mr. Miller on taking over the chair, proceeded with the business by appointing various committees, with the chairmen as follows:—Financial, Z. C. Patten; auditing, Alvin G. Brush; nominating, Charles H. Beardsley. Mr. Miller asked the committees to prepare reports for presentation Wednesday.

Following the committee appointments telegrams were read from the allied organizations, the National Association of Retail Druggists, and the Distillers Institute, extending greetings, expressing hopes for a successful meeting, and bestowing sympathies in the loss to the Proprietary Association of its president, the late Frank A. Blair. A roll call of representatives of affiliated organizations present was then called.

The report of the committee on deceased members was then delivered by Harry H. Good, chairman. He reported that ten members of the association had died since the last convention, and the sympathy of the association was extended the friends and relatives of the following: Philip I. Heuisler, F. E. Furst, W. G. Peckham, A. H. Beardsley, J. E. Mace, George B. Huisking, L. C. Greisemer, Allan G. Rondle, Paul Bochurst, and Frank A. Blair.

In the death of Philip I. Heuisler, Mr. Good reported, Baltimore had lost a benevolent citizen, and the Proprietary Association an interested member and a loyal backer. The tireless enthusiasm, wisdom, and high ideals of this outstanding figure leaves an inspirational record to follow, said Mr. Good.

Speaking of Andrew H. Beardsley, Mr. Good recalled his thirty-nine years of service for the association, his presidency preceding the term of Mr. Blair, and the admirable qualities which brought him success, through which he remained always democratic, kindly, and genial.

Continuing, Mr. Good paid tribute to Mr. Blair, saying his loss will be irreparable. His twenty-two years of inestimable service is reflected in a distinguished record of usefulness. The integrity of his company was called the finest monument he could have. The tribute was closed with the statement that in the passing of Mr. Blair "the trade has lost a genuine leader, and we have lost a genuine friend."

In closing his report Mr. Good mentioned the death of Clarence A. Bigelow, New York pharmacist, who although not a member of the association, was well known by its members.

The memorial to Mr. Blair continued with an address by James F. Hoge, general counsel of the association. He recalled the dinner tendered Mr. Blair in 1934, celebrating his twentieth year as president of the association. The life of Frank Blair was pictured as a triumph. His memory, Mr. Hoge said, will not die; his spirit will go on in the hearts of countless men.

The floor was then given over to the representatives of affiliated organizations. Among those who paid tribute were S. B. Penick for the American Drug Manufacturers Association; R. Lee Williamson, for the Federal Wholesale Druggists Association; Joseph Huisking, for the Drug, Chemical and Allied Trades Sections of the New York Board of Trade; Dr. Robert E. Newcomb, for the National Association of Wholesale Druggists; C. C. Concannon, for the Chemical Division of the Bureau of Foreign and Domestic Commerce; Carrol Dunham Smith, for the American Pharmaceutical Manufacturers Association; Charles L. Huisking, for the Institute of Medicine Manufacturers; and H. Gregory Thomas, for the Toilet Goods Association. Following these a motion paying the association's tribute was adopted.

Section Discussions

Tuesday afternoon's sessions were given over to section meetings. At the scientific section gathering, under the chairmanship of Dr. George F. Reddish, of the Lambert Pharmacal Company, a general technical discussion prevailed. Among the subjects presented were the recent findings as to the value of vitamins A and D when applied to the skin, the investigations of the water soluble vitamins B_1 hydrochloride and C in combinations, developments in United States Pharmacopeia and National Formulary revisions, and the policy of government agencies in releasing "consumer" literature.

James F. Hoge
Counsel for the Association

Following the scientific discussion Dr. F. J. Cullen, Washington representative of the association, reviewed various pending State drug laws. He described the "Tugwell" bill as "mild" compared to a law now pending in Wisconsin and which may be introduced in Minnesota. It was described as of questionable sponsorship.

Officers of the scientific section, headed by Dr. Reddish, were re-elected for another year.

Foreign Trade Increasing

At the meeting of the foreign trade section, under the chairmanship of Joseph D. Bohan, discussions were held on the trend and outlook for foreign sale of proprietary medicines. Among the speakers was C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce. He reported that despite the many obstacles that have blocked and rerouted world trade channels during recent years and despite the tendency of many countries to manufacture more and more of their medicinal requirements, foreign demand for proprietary products is increasing rapidly and promises shortly to attain levels enjoyed during the boom years preceding 1930. He added that our non-contiguous territories are actually buying more medicinals from mainland manufacturers today than they did during the boom days. He stated that the continued supremacy of American proprietary manufacturers in foreign markets was a result of the superiority of the products themselves and a flattering tribute to the salesmanship of American manufacturers.

The veterinary section of the association gathered Tuesday evening for a discussion of the legislation affecting this field. The section elected H. M. Clark, of Hess & Clark, Inc., chairman for the year to come. Edward H. Gunst, of the Polk-Miller Company, retiring chairman, presided.

Wednesday Sessions

A report of the membership committee by Dr. Fred E. Weiss, chairman, started the Wednesday sessions. He reported the enrollment of 17 active and 26 associate members during the past year.

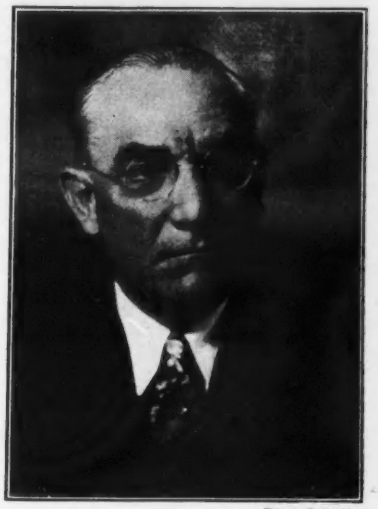
Legislative Reports

There followed a very thorough report by Dr. F. J. Cullen, on the activity of the Washington office of the association since the last convention. He reported that some 3,350 State bills affecting the proprietary medicine industry were received and scrutinized at the office during the year, and that 718 bulletins reporting the progress of these bills were released. He recommended that manufacturers select one individual in the company to review the bulletins and take immediate action in combatting drastic bills

Dr. F. J. Cullen
Washington Representative

reported. He urged cooperation, stating that the legal department is an assistance; it cannot overcome discriminatory legislation working alone. He also described the task of preparing the loose leaf pages for keeping up-to-date the *Compilation of Laws*, which is done after adjournment of legislatures.

The duties of the advertising advisory committee in reviewing labels and



Blank & Stoller

George H. Miller
The Newly Elected President

advertising matter and preparing answers for Federal Trade Commission actions was also described by Dr. Cullen. He asked that in the submission of problems ample time be given the office for analysis and answer, to avoid an undue burden on the staff and insure the most careful consideration of the matter. A brief explanation of the activities of the trade and public relations committee closed the report.

A report by James F. Hoge, general counsel of the association, on the legislation during the past year touching the proprietary medicine field was next delivered. He stated that the number of bills acted upon in the 46 State legislatures which had convened this year was the largest in the history of the organization.

Anti-Price Discrimination

In the matter of anti-price discrimination legislation, Mr. Hoge reported that the Robinson-Patman Act had as yet been little clarified, since pending court actions have not as yet resulted in an official interpretation. He reported that "baby" Robinson-Patman Acts have been enacted in Idaho, Oregon, and Utah, and that a bill in California contains the principal provisions.

As to fair trade legislation, he stated that 38 States now have such laws. Among the States not having one are Mississippi, the legislature of which did not meet during 1936-1937; Delaware, where it was vetoed; Vermont, where it was killed; and Alabama, which has had no law or bill introduced. In Missouri a pending house bill requires price-listing and has several fees. The Maine Law was mentioned for its variation in allowing triple damages in violations. Pennsylvania has an objectionable bill pending, he said.

Mr. Hoge stated that the Federal Fair Trade Bill situation was uncertain since President Roosevelt had sent a letter to congress recommending its delay.

Taxes discriminatory to the drug industry were reported pending in several States, among them Ohio and Tennessee.

Sales Restrictions

Several States also had bills pending dealing with the restriction of sales, during the past year. A New York bill would allow only registered drug-

gists to sell preparations containing habit-forming drugs. A New Hampshire bill giving the Board of Pharmacy the right to specify drugs suitable for use in the home is pending. Bills were defeated or nullified in Massachusetts, Montana, and Pennsylvania.

Mr. Hoge continued with a review of the food and drug laws pending in State and Federal houses. Federal drug law action will probably be held in abeyance until the Lea bill seeking to extend the powers of the Federal Trade Commission is acted upon, he said. He added that the industry should seek the passage of Federal standards as soon as possible to avoid a confusing collection of individual State standards.

Formula Disclosure Measures

Among the State drug bills pending he called the Wisconsin bill especially drastic. Identical with the Coffee bill recently vetoed in Washington, the Wisconsin bill would require full formula disclosure, levy a registration and a yearly license fee, and create a virtual drug czar in Wisconsin. It would apply to ethical and proprietary medicines alike.

The bill of Florida would require the disclosure of each medicine in the preparation. The labeling of all poisonous preparations, and stringent criminal prosecution in violations is also provided.

Mr. Hoge also reported the passage of an amendment to the North Dakota law, the veto of the Washington Coffee law, the death of a New York law in committee, and an amendment pending in California which would require the labeling of preparations containing drugs of other than U.S.P. standards as "Substandard." He asked for the cooperation of manufacturers in combating pending legislation.

Trademark Bills Pending

Trademark bills were said to be pending or have been passed in Nevada, New Mexico, and Kansas. Mr. Hoge reported that a situation not unlike the food and drug law stagnation exists with reference to the trademarks; individual States are passing varying laws. He was of the opinion that trademarks are interstate in character and a single federal law requiring their registration or deposition should be sought. He stated that a recodification of existing laws should be the first step in overcoming the ever-increasing snarl of laws now effective.

Officers Elected

Officers were elected following Mr. Hoge's report. The new officers are as follows:—President, George H. Miller, secretary and treasurer of the Musterole Company, Cleveland; honorary vice-president, Dr. V. Mott Pierce; first vice-president, Henry P. Bristol, Bristol-Myers Company; second vice-president, Charles S. Beardsley, Dr. Miles Laboratories, and third vice-president, R. L. Lund, Lambert Pharmacal Company. Charles P. Tyrrell was reelected secretary and treasurer of the association.

Members of the executive committee elected for the term expiring April 30, 1940, were Z. C. Patton, A. H. Diebold, and Fred E. Rathburn. J. Edward Murray was elected to the term expiring April 30, 1938; and E. K. Hyde was elected to the term expiring April 30, 1939.

The members who continue in office on the executive committee are R. R. Land, H. S. Richardson, William Y. Preyer, and Alvin G. Brush.

Mr. Miller, the new president, has been a member of the association for the past twenty-five years.

Accuracy in Advertising

The session of Wednesday afternoon comprised a symposium entitled "Active Forces Engaged in Securing Accuracy and Good Taste in Advertising." Lee H. Bristol, of the Bristol-Myers Company, and chairman of the symposium declared that the "public attitude has justified and made possible in the last four years the loose, reckless and, in some instances, partly justified attacks from sources purporting to represent the consumer." He said that the industry is before the "bar of public opinion" and while, in part, it is probably guilty, it is not so bad as to deserve the punishment being "cooked up" for it. He also expressed chagrin because not all members of the association had availed themselves of the advertising review service of the association's advertising advisory committee.

In reviewing the work of the association's advisory committee, Earle A. Meyer, executive secretary, reported that more than 20,000 pieces of publication and radio copy representing expenditures of about $125,000,000, have been submitted to the committee. He urged four basic considerations in writing copy, namely: Medicine should be offered for the relief of symptoms and not to effect the cure of a condition; claims should not be too broad; in no cases should diseases be named which are too serious to be treated by self-medication, and the burden of proof in substantiating claims is on the advertiser. If every advertising agent could be familiar with the unpartiality of the committee and the fair-mindedness of Dr. Cullen, he stated, there would be no hesitancy on the part of the agency when it came to sending their brain children for a technical review.

Development of Advertising

William S. Groom, presenting the advertising agent's viewpoint in the symposium outlined the development of advertising, describing many of its early methods. He stated that at the start it was exceedingly difficult for the advertising man to obtain information, opinions or cooperation of any kind in the preparation of his advertising material, but today the advertising man has full access to all such technical and scientific men to obtain the facts about his product as far as they are known. He also now has the advantage of legal counsel and outside disinterested opinion if need be.

A. Kiefer Mayer, of the Kiefer-Stewart Company, Indianapolis, representing the wholesaler's point of view, pointed out that manufacturers are "cleaning house" and that it is up to the distributing trade to keep it clean. Companies representing 20 percent of the dollar sales in the package medicine were said to be the ones "causing trouble," he added that the industry should control them.

William H. Berg, president of Health Products Company, presenting the manufacturer's viewpoint, stated that in search of truth in advertising, there has been a constantly multiplying number of instances where manufacturers, or groups of manufacturers with mutual interests, have voluntarily underwritten clinical product research — independently conducted—of a most far-reaching nature. In some cases this research is continuous—and is successfully answering, one after another, the questions that still remain concerning certain phases of even our best known drugs. He emphasized the checking of all copy by scientifically trained personnel.

Among the other speakers of the symposium were John Benson, president of the American Association of Advertising Agencies, who praised the effective censorship work done by media and expressed the idea that more effective work could be accomplished if it were put on a co-operative basis; Joseph W. Gannon, of the *New York Times*, who reviewed the efforts of raising the standard of newspaper advertising; E. H. McHugh, Hearst Magazines, and Miss I. Van Meter, Time Magazine, reported what magazines were doing to censor copy; Janet MacRorie, National Broadcasting Company, and J. W. Bates, jr., Mutual Broadcasting Company, explained their networks' control over advertising, while C. O. Bridwell, vice president of Outdoor Advertising, Inc., cited the work of his group in keeping billboard copy clean.

The concluding presentation in the Wednesday sessions was an address by Dr. Cullen, on the stock phrases likely to be used in advertising which are objected to by the Federal Trade Commission. He also urged that all copy be checked by a scientist after written, even when taken from a clinical report, for facts may be misinterpreted by the copywriter. He was of the opinion that truth in advertising will sell merchandise—is conducive to the consistent, permanent rise in sale of merchandise.

Among the terminology reviewed by Dr. Cullen were dandruff cure claims; broad statements as to speed of relief, action, or results; general statements such as "positive relief," "absolute relief," and "protects against," and "congestion." Conditions such as "aching joints," "acidity in the system," "sore throat," "stopped up nostrils," and "indigestion" are also objectionable since these conditions may be the result of varied causes, hence when used they

Prepare

NATIONAL N COLORS

FOR THE
NEW FOOD AND DRUGS ACT
BY USING
CERTIFIED COLORS
(Colors Certified under regulations of U. S. Department of Agriculture)
Manufactured by the Outstanding Producer
NATIONAL ANILINE & CHEMICAL CO., INC.
CERTIFIED FOOD COLOR DIVISION
40 RECTOR STREET NEW YORK, N. Y.
Branches and Distributors Throughout the World
NATIONAL QUALITY

MALMSTROM

for

LANOLIN

ANHYDROUS & HYDROUS, U. S. P
TECHNICAL • ABSORPTION BASE

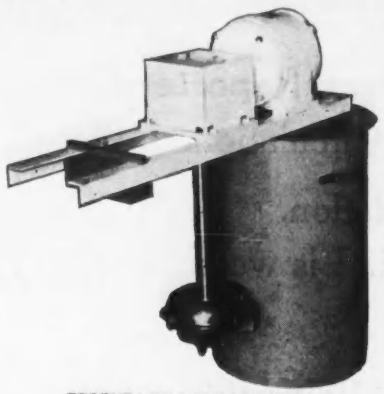
DEGRAS

COMMON • NEUTRAL
FATTY ACIDS

Write for Testing Samples

N. I. MALMSTROM & CO.

147 LOMBARDY STREET, BROOKLYN, N. Y



EPPENBACH HOMO-ROD NO. 3
EQUIPPED WITH ¼ H. P. MOTOR

EPPENBACH HOMO-ROD
A scientific mixer

Portable

Fully Adjustable

Vibrationless—Will not harm vitreous enamel or glass-lined tanks.

Homogenizes creams, lotions and ointments. ENTIRELY FREE OF AIR.

EPPENBACH COLLOID MILL

An inexpensive laboratory Colloid Mill for experimental work in emulsifying; and grinding and dispersing solids in liquids.

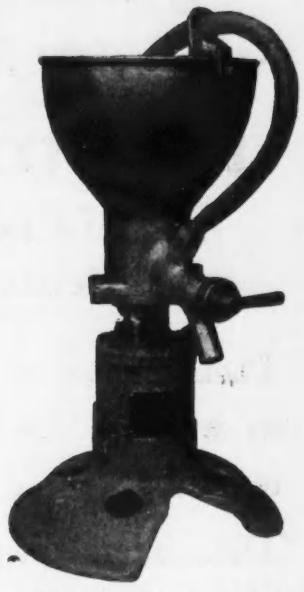
Sanitary Construction

Easily Cleaned

Price Complete

$75.00

Capacity on Emulsions
100 gallons per hour



EPPENBACH VERTICAL NO. 1
COLLOID MILL—15 IN. HIGH
EQUIPPED WITH ¼ H. P. MOTOR

Eppenbach, Inc.

45-10 Vernon Boulevard, Long Island City, New York

NOW YOU CAN USE BOTH!

- **N. W. D. A.'s Indispensable New Distribution Map of the U. S.**
- **"Distribution Through Drug Channels in the 84 Wholesale Trading Areas"**

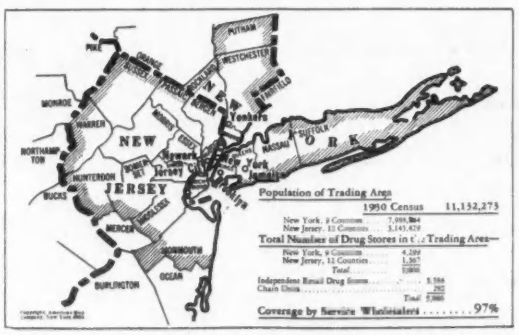
No Executive Planning Drug Sales Can Afford to Be Without Both Map and Companion Volume.

HUNDREDS of executives in every activity concerned with drug product distribution have profited richly already from the wealth of market data compiled for the first time by N.W.D.A. in the now famed *Distribution Through Drug Channels in the 84 Wholesale Trading Areas.*

Now, with months of additional research and preparation completed, the unique volume's companion has been finished.

Placed on your office wall, the *N.W.D.A. Distribution Map* puts at your instant command the basic data contained in the book. Used together, the two make possible a more dependable, more profitable method of plotting sales and advertising effort than has ever before been available.

The map is big—44 in. x 64 in. It's complete—shows every county in the U.S., virtually every city, town and village of 2,500 or over. Printed in two colors, it shows every one of the 84 trading areas completely described in the book. Congested areas are shown in large-scale inserts. It instantly tells you the population, number of drug stores, per cent of stores covered by wholesalers—for each area.



84 MAPS LIKE THIS are combined to make the amazing new N.W.D.A. Drug Distribution Map of the U.S. Each of the small area maps similar to the above appear individually in the volume, Distribution Through Drug Channels in the 84 Wholesale Trading Areas, *together with a wealth of market data. See coupon for Special Offer by which you can get* both *these indispensable sales-planning aids for as little as $10.*

Both the map and the book are a "must" for every manufacturer who has or seeks national drug trade distribution. Both are equally indispensable to advertising agencies, newspapers, magazines and farm papers interested in drug trade selling.

Don't put it off. Put this first *complete* drug market data service to work in your office now. If you have the book, order the map. If not, better order both. Mail the coupon today.

Most Complete Market Area Map Ever Compiled for Any Industry Now Available—

National Wholesale Druggists' Assn.
330 West 42nd Street, New York

Please ship at once express collect the following:

——Distribution Maps, without rollers ($2.50 each)

——Distribution Maps, with wooden rollers ($3.00 each)

——copies "Distribution Through Drug Channels in the 84 Wholesale Trading Areas" ($10 each)

OR

——sets, each set including Distribution Map with wooden rollers and one copy of "Distribution Through Drug Channels" ($10.50 per set)

——sets, each set same as above, except that map is without wooden rollers ($10.00 per set)

We understand that the above prices are strictly net f. o. b. New York, and that you will ship immediately. Check is enclosed to cover.

Name of Firm .....

Individual Ordering.....

Address .....

City and State.....

THE NATIONAL WHOLESALE DRUGGISTS' ASSOCIATION, 330 West 42nd Street, New York

Oil, Paint and Drug Reporter Circulation is **Reader** Circulation.

It is **Buyer** Circulation.

(No other kind is worth anything to sellers.)

Readers of the Reporter are

Industrial Buyers

of **Chemicals and Related Materials**

Their interest in a material is in a **ton in a tank,** not in a teaspoonful in a test-tube.

Their interest is **plant** interest, not that of the luncheon table.

Their business is **using** materials, not talking about them.

They look to the advertiser (**in the Reporter**) to tell them how good his material is, and how well it behaves in process and in finished product. This saves them time and trouble.

They rely on Reporter advertising, just as they rely on its reading columns, for information that is adequate and accurate.

You are handicapping yourself unwarrantly if you are not making use of the unequalled service of Reporter advertising to reach tonnage-buyer markets.

Further particulars will be
Convincingly Furnished
at request

OIL, PAINT and DRUG REPORTER, Inc.
Publisher

12 Gold Street **New York, N.Y.**

HEADQUARTERS

for

KARAYA GUM

NEW CROP

WE CARRY A COMPLETE LINE OF QUALITIES, FROM THE VERY SELECT TO THE LOW PRICED GRADES. WHATEVER YOUR NEEDS MAY BE WE CAN FILL THAT PARTICULAR REQUIREMENT FROM OUR STOCKS. ASK FOR SAMPLES.

LET US ASSIST IN SOLVING YOUR PROBLEMS!

TRAGACANTH - ARABIC - LOCUST
TALHA - GHATTI

WIRE OR WRITE FOR SPECIAL QUOTATIONS

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK
1228 WEST KINZIE STREET, CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

should be adequately qualified to a single or a few simple types.

The advertisements of agents to treat grippe, influenza, and other serious ills is also frowned upon by the Federal Trade Commission. Self medication is not advisable in these cases.

Dr. Cullen went on to explain the objections to innumerable phrases. The important matter is that any claims made for a product be very specific as to the action which may be expected to result or the conditions which will be alleviated by its use.

Thursday Sessions

The Thursday morning session opened with a report by the secretary of the Canadian Proprietary Association on the developments in Canadian legislation, tariff, and activities of the Canadian organization.

He said in his report that Ontario had amended its pharmacy law to prohibit the sale of any codeine, cocaine, barbituric acid and similar materials except on prescription or in registered proprietary preparations. Ontario has also enacted legislation to regulate the wages and working hours of employees, and Quebec has amended its law on these matters drastically.

He also said the Canadian association had inaugurated the policy of accepting associate membership in the organization, on much the same basis as exists in the United States association. This is expected to result in an increase in strength of the organization.

Pitchmen and Barkers

The report of the committee on pitchmen and barkers was delivered by William H. Berg, chairman. He reviewed the history of the committee and described the procedure employed in combatting the slanders of the "merchants of venom." He reported the suppression of hawkers in Massachusetts, New York, and Pennsylvania. He added that investigations are at present pending in the case of a company operating in New York City.

The report of the scientific section was presented by Dr. Cullen in the absence of Dr. George F. Reddish, its chairman. He stated that no final report on projects underway at this time is possible, but that reports will be made at the mid-year meeting of the section in December and full reports at the next convention. Among the projects now in progress are those on phenolphthalein and on vitamins.

Dr. Cullen also said that the section stands ready to investigate technical problems of manufacturers. They need only to communicate with the Washington office of the association.

The activities of the advertising advisory committee during the past year was reported by Earle A. Meyer, executive secretary. He stated that 470 manufacturers had submitted copy for examination. This is an increase of 95 since the last meeting. He mentioned the consolidation of the publicity duties under the advisory committee, and reported the activity of the association in preparing press releases, literature for distribution at exhibits, and to universities presenting the proprietary viewpoint, and arrangements for radio broadcasts during first aid week and pharmacy week celebrations.

Mr. Meyer also reported that plans have been made to compile the objectionable phrases assembled by Dr. Cullen, and publish a compendium.

Joseph D. Bohan, chairman of the Foreign Trade Section, reported the success of this section in having postponed or changed foreign laws adverse to the industry.

Under the heading of new and unfinished business there was an address by Earle Means, vice-president and general manager of the Bristol-Myers Company on the fair trade situation. He deplored the lack of interest shown in this matter.

The convention adjourned following the address by Mr. Means.

Edwin C. Rebholz has been appointed sales manager of Vitex Laboratories, Inc., Harrison, N. J., according to Dr. C. I. Post, manager of the Vitex department of the National Oil Products Company. Mr. Rebholz is one of the pioneer representatives of the laboratories.

Park Drug Company has leased the top floor of 20,000 square feet, in the twelve-story building at 516-522 West Thirty-fourth street, this city, for the manufacture of drugs and pharmaceutical supplies.

Botanical Drugs, Gums

Helonias Root in Sharp Advance—New Crop Influences Appear in Black Haw, Cottonroot, and Bayberry — Ergot Down Substantially—Henbane and Valerian Shaded

Medicinal crude drugs occupied a somewhat more prominent market position last week than they had for some time past. Although the majority of medicinal items held in firm price position, the number of declines was rather greater than had been usual in recent weeks. It appeared that the influence of new crop prospects was being felt to a conservative extent. As a whole, the market was a steady affair with demand being maintained at a volume comparing favorably with that in the nearby past.

On the strong side of the market were helonias root and Spanish paprika. A sharp advance in prices quoted on the former, and a moderate one on the latter, confirmed the recently stronger undertone prevailing on both materials. Indian fleaseed was also higher.

Lower quotations developed in black haw root bark, and on buchu leaves, too. Both of these items had been features of strength and advancing prices during the first quarter of the year. Of late, an easing of market undertones had been noted; also in wahoo root bark, but the latter did not change again last week.

In addition to the above declines were reductions in cottonroot bark, ergot, cubeb berries, doggrass root, henbane leaves, and valerian root—to mention the more outstanding items so affected. Somewhat easier conditions prevailed in the seed and spice group, too, and some items sold at lower price levels.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	322	1,883
Caraway	2,736	13,940
Cardamom (cases)	61	1,260
Celery	289	5,485
Coriander	6,132	.....
Cumin	1,753	5,866
Digitalis leaves (cases)	142	153
Dill	160	512
Fennel	435	2,117
Henbane leaves (bales)	111	157
Mustard	330	13,230
Poppy	1,650	23,469
Sage leaves (bales)	20	1,351
Sesame	168	3,816
Stramonium (bales)	227	327
Thyme herb (bales)	311	841
Totals	14,602	77,960

Price Changes

Prices were changed during the past week as follows:—

Advanced

Arabic gum, ½c. per lb.
Canary seed, Morocco, ¼c. per lb.
Fleaseed, Indian, 1c. per lb.
Helonias root, 6c. per lb.
Mustard seed, California, brown, ¾c. per lb.
Paprika, Spanish, extra fancy, 1c. per lb.
fair, 1c. per lb.
fancy, 1c. per lb.
medium, ½c. per lb.

Reduced

Bayberry bark, 2c. per lb.
Benzoin gum, Sumatra, 1c. per lb.
Black haw, root bark, 1c. per lb.
Buchu leaves, 3c. per lb.
Copaiba, balsam, Para, 3c. per lb.
South American, 3c. per lb.
Cottonroot bark, 1c. per lb.
Cubeb berries, whole, 1c. per lb.
powdered, 1c. per lb.
Canary seed, Turkish, ¼c. per lb.
Argentina, ¼c. per lb.
Cardamom, green, 5c. per lb.
Coriander seed, ¼c. per lb.
Cinnamon, Ceylon, No. 3, 1c. per lb.
Clove, Zanzibar, ½c. per lb.
Doggrass root, cut, 1c. per lb.
Ergot, 15c. per lb.
Henbane leaves, 1c. per lb.
Irish moss, bleached, 1c. per lb.
Mustard seed, Hungarian, yellow, ¼c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Polish, ¼c. per lb.
Pepper, white, Singapore Muntok, ¼c. per lb.
Borneo, ¼c. per lb.
Saigon, ¼c. per lb.
Serpentaria root, 10c. per lb.
Valerian root, 1c. per lb.
Wormseed, American, 2c. per lb.
Safflower, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.2	**130.3**	**129.8**	**107.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Once more the prices for this article yielded in favor of buyers for consumption. Para balsam was down to 39c. to 41c. per pound, and the South American U.S.P. variety was available at 41c. to 43c. These changes reflected an easier replacement market.

Tolu.—Demand was somewhat irregular and consisted mainly of orders from smaller users of this material. Price remained about steady in most directions.

Barks

Bayberry.—Relief of the temporary shortage reported some time back has brought out a declining market on this article. Quotations were reduced further last week to the basis of 15c. to 16c. per pound.

Black Haw.—Root bark was lowered to the basis of 22c. to 23c. per pound in a market lacking in more than moderate consuming request and subject to equally moderate increase in new crop reserved. Tree bark lacked quotable change.

Cascara Sagrada.—All reports indicated that collection cost this year would be the highest in several years. Prices already paid in the primary market fully justify the prevailing spot quotation of 14½c. to 15c. per pound.

Cottonroot.—New crop influences were at work and spot quotations were reduced to the basis of 11c. to 12c. per pound when new replacements became available at somewhat more favorable prices. Demand was light.

Orange Peel.—Sweet peel was easier under the influence of more local competition. Offerings out of spot supplies were made at 10c. to 11c. per pound, and a fair business was done thereat.

Beans

St. Ignatius.—Inquiry was very small and the market was practically nominal so far as actual selling was concerned. It was steady as to price.

Vanilla.—Very good demand was reported locally. Favorable weather has lifted consumption of extract, which in turn has brought into the spot market substantial orders for beans. Prices were very firm here, and abroad they were totally lacking in elements likely to unsettle values in the near future. Most sellers were disposed to show some reserve.

Berries

Cubeb.—The market was down somewhat under spot competition. XX berries were priced at 31c. to 32c. per pound, while 35c. to 36c. was quoted on powdered material. The movement was developed by prevailing competition in local circles.

Juniper.—The replacement market was firmer and better maintained so far as prices were concerned. Consumption in this country was active and substantial enough to keep prices to a very firm position.

Flowers

Borage.—A fair-sized but usually jobbing demand was reported in full support of prices recently prevailing on this material. The stock held over in this market from the crop last year was said to make a fair sized total.

Chamomile.—Very good demand, especially from the makers of hair wash preparations, was reported and the spot market was fully steady throughout the past week. Prices were well held, and stocks were none too plentiful. Little has been heard as yet regarding prices on new crop from Central Europe.

Poppy.—Red flowers were steady to firm throughout the past week and the replacement market developments did little to suggest an early change in spot quotations to the consuming trade. Business was very fair.

Safflower. — Quotations were lower under more competition and spot sales were made at 26c. to 27c. per pound in the period under review. Local holdings were fairly substantial in size.

Saffron. — Local holders of Spanish material appeared to be taking a somewhat more competitive view on the market, especially in view of the fact that the call from buyers was not very large during the past week. It was mainly a jobbing request that reached the spot and it was also one readily supplied.

Gums

Aloe.—The spot market on Curacao gum was reported firm to steady throughout the past week, even though the immediate demand from manufacturing consumers was somewhat slow. The market in the Netherlands West Indies was seasonably slack during the first quarter of 1937. The new crop in Aruba was begun in March with prospects of about 4,000 cases of 125

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Agar Agar, Aloes, Benzoin Gum, Buchu Leaves, Capsicum, Cascara, Catechu Gum, Cuttle Bone, Deertongue, Digitalis

Dragons Blood, Ergot, Golden Seal, Henna Leaves, Indian Gum, Lavender Flowers, Manna, Mustard, Nux Vomica, Peppermint Lvs., Wahoo Bark
CRUDE J. L. HOPKINS & CO. DRUGS
220 BROADWAY, NEW YORK

MURRAY & NICKELL MFG. CO. Established 70 Years
2606-28 Arthington Street - - - Chicago
BOTANICAL
CRUDE DRUGS MILLED
HERBS - ROOTS - BARKS - SEEDS AND SPICES
WATER SOLUBLE GUMS TRAGACANTH ARABIC - KARAYA
AMERICA'S OLDEST MANUFACTURER - PYRETHRUM PRODUCTS

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

VANILLA BEANS
F. HUBER & CO., - 99 Hudson Street, New York

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOWER)
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. Hanover 2-4436

Finest Ground PYRETHRUM AND DERRIS POWDERS in the world
These powders contain more killing particles. More effective — more economical. Write for further information.
McCORMICK & CO., Inc.
BALTIMORE, MARYLAND
STANDARDIZED PYRETHRUM AND DERRIS PRODUCTS

pounds each. In the island of Bonaire, where the growing of aloes is a new enterprise, the 1937 crop is estimated at 1,500 cases. In addition, the estate of Adrian Lacle, Aruba, holds about 1,500 cases which may be sold at any time. During 1936 the two islands shipped to New York approximately 5,000 cases. Increasing difficulty is being encountered in obtaining labor to harvest the crop owing to the stronger attraction of employment in the oil refineries in Aruba.

Arabic.—Sorts were higher at 15c. to 15½c. per pound, although some quarters still stocking gum bought when primary market prices were far lower than they are at present might be willing to shade a fraction. The fact was that the primary market has been well maintained on the basis of recent advances, said rise in values having resulted from the subnormal arrivals of gum from the interior of the primary market. The feeling was that the reports of less than normal production might prove to be correct this year, although in the past identical reports had proven to be incorrect when the final returns were in.

Asafetida.—The higher prices in Iran, where control of production, stocks and values has been undertaken by the government have yet to affect spot quotations; fairly substantial quantities of gum are on consignment in this market. Demand was quiet.

Benzoin. — Sumatra gum was available at the slightly lower price of 16c. to 17c. per pound as the result of slow demand that tended to develop a more competitive attitude among local dealers.

Herbs and Leaves

Buchu.—Quotations were reduced unduced under competition and the spot market became 60c. to 62c. per pound, quoted according to seller and quantity. This brought the local market even closer to replacement cost than it had been recently.

Henbane.—Lack of much interest has at last eased the spot market and quotations were down to the basis of 20c. to 21c. per pound last week without interest of buyers undergoing much stimulation. Reserves were moderate in size.

Henna.—The spot market was fairly well held and was subject to a very good consuming demand. However, the element of keen competition continued to keep the margin of profit not generally satisfactory to the leading suppliers. Export figures on Egyptian material show France to be still the principal buyer, but most of the French shipments were probably re-exported to the United States in 1936 and 1935. Comparative figures were as follows:—

	Gross kilos	
	1935.	1936.
France	407,962	456,797
United States	150,328	159,752
United Kingdom	63,580	24,638
Other Countries	325,496	397,676
Totals	947,366	1,038,563

Lobelia.—A good sized crop is hoped for in order that reserves may be built up to a figure as close to normal as possible. The carryover is not very substantial in size this year.

Sage.—Interest in the market has subsided to the extent to which sausage manufacturers are takers of this article. The more active season of the year in that respect is ended. A fair sized but entirely jobbing request was reported last week.

Miscellaneous

Colocynth Pulp.—To a substantial extent the prices and market on this material were nominal; local holdings were very small and a fair sized demand would pinch sellers to an extent that would probably exhaust supplies for the time being.

Ergot.—Some reports to the effect that Portugal had been offering somewhat more freely on the world markets without much success in disposing of the offerings were noted last week. Locally, values were lower at $1.80 to $1.90 per pound for U.S.P. goods, but not much interest was shown in the market.

Irish Moss.—Bleached material was lower at 19c. to 20c. per pound and the available supply has increased considerably since goods were offered from the primary market. Also, demand continued to be fairly active.

Kola Nuts.—Business was routine but rather steady on the whole. Prices were steady to firm in most quarters and reserve supplies were only moderate in size.

Manna.—The undertone was moderately easy on the spot last week but values were maintained unchanged while sellers awaited further developments in the primary market. There appeared to be little pressure to sell at any point.

Roots

Doggrass.—Cut root was slightly lower at 12c. to 13c. per pound as the result of some quarters taking a more competitive view on the market. Demand was still sluggish.

Echinacea.—After an extended period in which prices advanced substantially, the market on this root turned easier as new collection gave evidence of a build up of primary market reserved. Quotations on the spot were shaded to the basis of 30c. to 35c. per pound.

Helonias.—Sales were made at 45c. to 50c. per pound last week and the higher values were substantially firmer as the available stock was proven to be comparatively small at all points.

Rhubarb.—Firm undertones prevailed. Replacement costs were held sturdily at the source and bids were usually refused by the shippers. On the spot, quotations were well maintained even though the immediate demand was not very active.

Serpentaria.—Prices were lowered again, making the market $1 to $1.05 per pound as the result of new crop influences. The trend in values has been downward during the past fortnight or so.

Valerian.—Quotations dropped to the basis of 9c. to 10c. per pound on the development of fairly satisfactory prospects for the new crop in Belgium. Business was distinctly routine at all times last week.

Seeds

Canary. — Replacement costs were considerably easier on a declining market and the result was a revision of spot prices to the following positions: Morocco, 6½c. per pound, nominal; Turkish, 6¾c. to 7c.; Argentine, 6¼c. to 6⅝c.

Caraway.—Cables from the primary market made shipment values lower and somewhat easier on the whole. Local quotations were shaded to the basis of 7⅜c. to 7¾c. per pound. Trade on the spot was usually of jobbing size.

Cardamom. — Green seed was reduced to the basis of $1 to $1.10 per pound under competition. No change was made in the quotations on bleached and decorticated material. Demand was irregular.

Coriander. — Morocco seed sold at the lower level of 4¾c. to 5¼c. per pound for the natural material, but the bleached material held steadily at 7c. to 7½c. per pound. Not much interest was developed.

Flea.—India seed was advanced to 9c. to 10c. per pound but French material lacked change. Demand was routine and movement to buyers reached a total of conservative size. Stocks on the spot made a fair total and no shortage existed. The estimated production of India seed in Baroda State, India, is about 80,000 maunds. Dividing this by 12 maunds (Baroda) per bigha (average yield) gives the area of about 5,000 acres but this figure is believed to be too high. As there is considerable trade between Palanpur and Sidhpur, it is probable that a certain amount of the stocks handled by merchants are derived across the border. The Brahmanvada psyllium husk is sold at a premium of an anna or two per maund or 40 pounds. The mill ground husk brings less than the head ground husk and the tendency of the merchants is towards the latter. The husks are also sieved. From a maund of natural seed (40 pounds) only 10 pounds of husk is obtained.

Mustard.—Reduced acreage in California has resulted in a further advance to 7½c. to 8c. per pound on brown seed. Hungarian yellow was shaded to 7c. to 7½c. Other varieties lacked quotable change. Crops generally throughout the world were expected to be less than normal.

Poppy. — The market abroad was easier and on the spot Dutch material was reduced to 7¼c. to 7⅝c. per pound, while the Polish variety was down to 7⅛c. to 7½c. No further and substantial easing of the markets was expected.

Worm.—American seed was lower at 19c. to 20c. per pound and was under only a restricted request. New crop is some months away. Levant remained firm and unchanged.

Spices

Cinnamon.—No. 3 Ceylon quill was lower at 18c. to 18½c. per pound, but the No. 2 grade held unchanged. Very poor demand was reported, and the market was considerably more competitive.

Clove. — Zanzibar spice was shaded to 19c. to 19½c. per pound, but Madagascar held unchanged at 17c. to 17½c. Basically, the market was reported to be steady at the source and on the spot. Local stocks were moderate in size.

Ginger. — Undertones ruled steadily throughout the past week and values were firmly maintained. The position of African root was especially firm in keeping with the replacement position of the article. Jamaica root came in for a fair consuming demand at very steady prices.

Paprika. — Prices on the Spanish article were advanced further on spot last week to keep local quotations in line wtih the rising cost of shipment material. New prices were:—Extra fancy, 31c. to 32c. per pound; fair, 25c. to 26c.; fancy, 29c. to 30c.; medium, 27c. to 27½c.

Peppers. — Black material held unchanged. Trading on the New York Produce Exchange will begin in the not far distant future. White peppers were lower. Singapore Muntok was priced at 9¾c. to 10c. per pound; Borneo, 10c. to 10¼c.; Saigon, 10c. to 10¼c. Red peppers were steady and also lacking in price change. Foreign markets were fairly well maintained.

McCormick Manager Finds S.A. Looks to U.S. as Best Market

C. E. DeLamar, export manager for McCormick & Co., spices and flavorings, Baltimore, who has just returned from a two months' trip to Cuba, Mexico, Colombia, and Central America, reports that, with the unsettled conditions in Europe, the people of the countries he visited are looking more and more to the United States as their best market. He found many improvements being made, with Guatemala as an example. There, new impetus has been given to the movement of goods, with elaborate grocery stores equipped, new theatres erected, hotels improved and living conditions bettered generally.

U.S.Revenue: April

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for April, 1937, compared with April, 1936, as follows:—

Taxes Collected

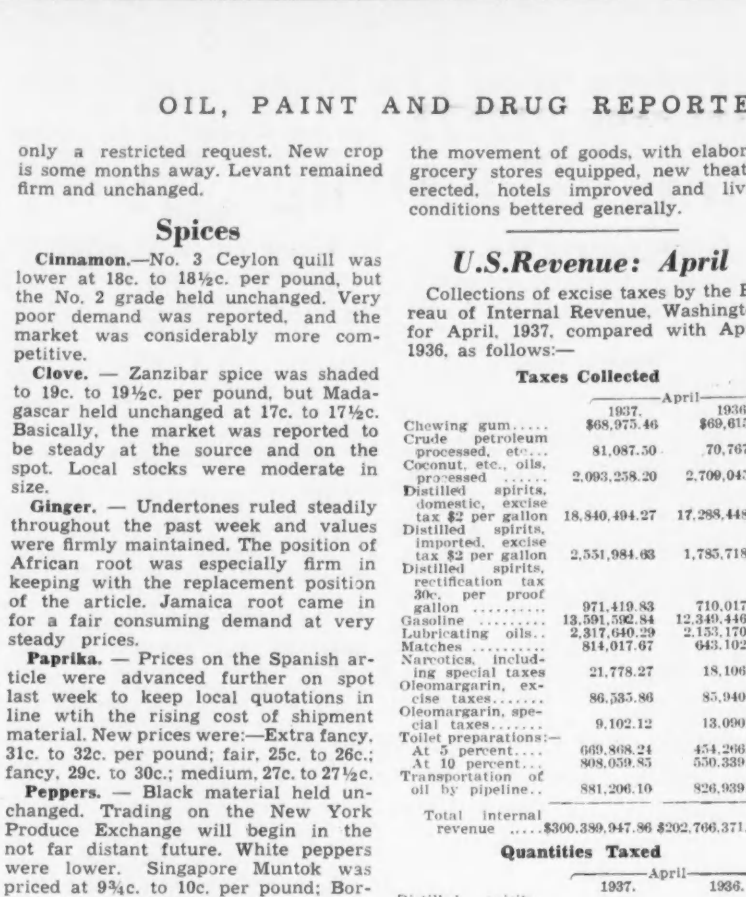
	April	
	1937.	1936.
Chewing gum	$68,975.46	$69,615.96
Crude petroleum processed, etc.	81,087.50	70,767.73
Coconut, etc., oils, processed	2,093,258.20	2,709,045.34
Distilled spirits, domestic, excise tax $2 per gallon	18,840,494.27	17,288,448.80
Distilled spirits, imported, excise tax $2 per gallon	2,551,984.63	1,785,718.06
Distilled spirits, rectification tax 30c. per proof gallon	971,419.83	710,017.41
Gasoline	13,591,592.84	12,349,446.62
Lubricating oils	2,317,640.29	2,153,170.49
Matches	814,017.67	643,102.36
Narcotics, including special taxes	21,778.27	18,106.97
Oleomargarin, excise taxes	86,535.86	85,940.65
Oleomargarin, special taxes	9,102.12	13,090.67
Toilet preparations:—		
At 5 percent	669,868.24	454,266.90
At 10 percent	808,059.85	550,339.86
Transportation of oil by pipeline	881,206.10	826,939.36
Total internal revenue	$300,389,947.86	$202,766,371.19

Quantities Taxed

	April	
	1937.	1936.
Distilled spirits, domestic, tax gallons	9,405,743	8,627,605
Distilled spirits, imported, tax gallons	1,275,992	892,859
Distilled spirits, rectified, proof gallons	3,238,006	2,366,725
Oleomargarin, colored, pounds	55,184	47,006
Oleomargarin, uncolored, pounds	32,352,280	32,416,940

Medicine production in Peru has been slowly but steadily increasing in Peru in recent years, and domestic products constitute about 35 percent of the articles consumed. Imports of pharmaceutical specialties in the first ten months of 1936 were valued at 1,533,661 soles, compared with a valuation of 1,686,906 soles for the imports in the corresponding period in 1935.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7


A Real "Buy"
IN ORANGE FLAVOR!
Exchange
DISTILLED OIL OF ORANGE
At today's market, the outstanding orange oil value is Exchange Distilled. High grade, yet the price is surprisingly low. Our jobbers will be glad to submit samples.

Sold to the American market exclusively through:

FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York City

DODGE & OLCOTT COMPANY
180 Varick Street, New York City

Distributors for: CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, California

Producing Plant: The Exchange Orange Products Company, Ontario, California

Copyright, 1936, Products Dept., California Fruit Growers Exchange

Essential Oils, Aromatic Chemicals

Italian Cables Carry Much Higher Prices on Bergamot and Lemon —West India Orange Advanced — Poor Quality of Imports Forced Cajeput Up Here

Interest in market developments in essential oils last week centered in the reversal of price trend on Italian citrous oils. Cables came in substantially higher on lemon and bergamot, while those on orange showed that the downward movement in recent quotations had been checked. West Indian orange oil was advanced sharply but some felt that the rise could not be maintained. Other developments included higher quotations on cadjeput, Ceylon citronella, and pimento berry oils, together with declines in the prices on Java citronella and imported pennyroyal.

Business in the essential oil and aromatic chemical market was reported to have been moderately active during the period under review. While volume has decreased somewhat in recent weeks, the loss has not been substantial and for the most part the very good call for seasonal articles has offset to a considerable extent the lack of sustained volume in other materials. Houses marketing not only raw materials, but a wide line of compounds, concretes, essences, and flavorings reported that activity in departments other than raw materials was excellent.

Concerning new crop prospects in world markets, little information has been forthcoming on the spot. In this country, the progress of the peppermint and spearmint crops has not been accompanied by any reports of influences likely to result in under production. A plentiful supply of domestic lemon and orange oils is assured. As to foreign crops, Spanish oils were the subject of much speculation as to how much oil could be expected from Spain in view of the fact that the end of civil war seemed to be as far away as ever.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bergamot, 15c. per lb.
Cajeput, native, 13c. per lb.
U.S.P. IX, 14c. per lb.
Citronella, Ceylon, 1c. per lb.
Orange, West Indian, 15c. per lb.
Pimento, berry oil, 25c. per lb.
leaf oil, 10c. per lb.

Reduced

Anise, 3c. per lb.
Citronella, Java, 2c. per lb.
Pennyroyal, imported, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
82.0	**81.6**	**83.7**	**68.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Conditions abroad were such as to make for a very firm market on sweet oil and the result was that spot prices were fully maintained on an exceptionally firm basis. Demand was moderate.

Amyris.—A routine request prevailed but the market had a steady quality that kept prices generally firm on the spot and tended to eliminate most of the limited tendency toward latent competition.

Anise.—The market was easier and rather quiet. Stocks were not large and they were held in quarters disposed only toward moderate competition. Prices were shaded to 72c. to 75c. per pound.

Bergamot.—Cables notified merchants here of a thirty percent advance in shipment quotations and the result was that spot quotations were raised to the basis of $3.60 to $3.70 per pound. This figure was said to be lower than replacement prices. The undertone was substantially strong throughout the entire period.

Cajeput.—Because of the very poor quality of much oil arriving on this market in the past several weeks, a quality which has been productive of numerous rejections, spot quotations have been advanced to 68c. to 69c. per pound on the native and to 71c. on the U.S.P. quality.

Camphor.—The primary market was steady to firm and that on spot was free from unsettling influences. Demand in local circles was very fair in size and contributed to the steady maintenance of prices.

Capsicum (Oleoresin).—Raw material prices have been substantially firmer of late on the basis of somewhat higher levels. The oleoresin was reported to be firm in price last week, and to be also subject to a very good consuming request.

Cardamom.—Of late, raw materials has taken on an easier appearance in company with moderate reductions in prices. Oil remained very firm, as the supplies available reflect the high cost of production that has prevailed for some time past.

Cassia.—Steady consumption of this article was the general rule and business locally during the past week was done on the basis of prices declared in all quarters to be very steady. Competition was negligible.

Citronella.—Java oil for shipment was substantially lower than Ceylon material and to that fact has been laid the reports of a lessening of business in the latter material. Java oil is high test material and usually sells at an advance over the Ceylon material. On the spot Ceylon oil in drums was priced at 41c. to 42c. per pound, while Java material was available around 41c.

Lavender.—Present reports do not seem to forecast any substantial change in prices on flower oil. The market has become much steadier since the recent declines in prices and last week the undertone was about firm.

Lemon.—Price trend in Italy reversed itself last week and quotations showed an advance of about 10c. per pound. Spot quotations were not affected except that for the Italian article they were somewhat firmer in contrast with the easier market that had accompanied declines in quotations. California oil at $2.60 per pound was far under the Italian article and offered the latter sharp competition.

Lime.—Seasonable demand was reported to have been very good, but buyers found prices decidedly firm on the basis of the recent advances. Stocks were not excessive. Primary market supplies were well controlled.

Nutmeg.—Undertones were steady and values were well maintained notwithstanding the fact that demand was conventional and usually moderate throughout the past week. Stocks were of fair size.

Orange.—Prices for replacement goods in Italy were not changed last week, but all sellers reported indications of a firmer position at the source. Quotations on West India oil were advanced sharply and spot quotations were raised to $2.25 to $2.30 per pound. California oil was steady at the attractive figure of $2.50. Stocks were plentiful.

Clove.—Spice turned easier again last week and Zanzibar goods were lower in price. Oil remained very firm and was subject to a good-sized movement. All of the higher cost of production has not been reflected in the advances made in oil prices during the first half of the year.

Coriander.—The market was very firm because it was understocked, but the interest of buyers contributed little to the well-maintained prices quoted throughout the period. Sales have been curtailed by prevailing high prices.

Dill.—Leading sellers reported a substantial gain in shipments to the pickling interests. The gain was normal for the season of the year and resulted in prices becoming considerably firmer throughout the period.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

MM&R MICROSCOPIC SPECIALTIES
Used and endorsed by the nation's foremost laboratories. Unconditionally guaranteed to meet the most exacting standards of the laboratory technician.
OIL CEDARWOOD MICROSCOPIC *For Immersion & Clearing*
BALSAM FIR CANADA RESIN *in Xylol*
OIL CLOVES MICROSCOPIC
MAGNUS, MABEE & REYNARD, INC.
32 CLIFF STREET, NEW YORK, N. Y.
BALSAMS, AROMATIC CHEMICALS CONCENTRATED FLAVORS...Since 1915
Essential Oils
M&R MAGNUS

EFF-BEE FIVEFOLD
New! LEMON
CONCENTRATE
MANUFACTURERS accustomed to using high priced lemon concentrates will welcome the economy afforded by this new product. Its great concentration, ready solubility and proven stability insure satisfaction in a great variety of applications. You can prove this by putting EFF-BEE FIVEFOLD LEMON CONCENTRATE through the severest tests. It is a worthy companion flavor to our EFF-BEE FIVEFOLD ORANGE CONCENTRATE. Write us for samples.
FRITZSCHE Brothers, inc.
316 WEST 6TH STREET LOS ANGELES, CAL.
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG. 76 NINTH AVENUE, NEW YORK, N. Y.
118 WEST OHIO ST. CHICAGO, ILL.

D. W. HUTCHINSON & CO., Inc.
IMPORT Established 1896 EXPORT
Oil of Lime Imitation - - - Oil of Coriander Imitation
For Flavor and Strength
162-164 FRONT STREET NEW YORK CITY

ESSENTIAL OILS
H. C. RYLAND, Inc.
161-3 Water St., New York

AROMATICS
FLAVORS
ESSENTIAL OILS
SCHIMMEL & CO. INC.
601 West 26 St. New York, N. Y.

For That "Polished" Look
Use SCIENTIFIC
U. F. ASBESTOS DISK FILTERS
Insures The Highest Quality of Product Obtainable By Filtration
If You Are Having Trouble With Other Filters Try The SCIENTIFIC And See The Difference
SCIENTIFIC FILTER COMPANY
2 FRANKLIN SQUARE NEW YORK CITY

WE SPECIALIZE IN REDISTILLING
in our factory. Try our
OIL OF CASSIA, REDISTILLED, U. S. P.
OIL OF PEPPERMINT, REDISTILLED, U. S. P.
Every trace of impurity removed. Flavor the finest it is possible to obtain.
GEORGE LUEDERS & CO.
427-429 WASHINGTON ST., NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

Eucalyptus.—The market was strong and undersupplied. Oil coming forward from the primary market has been well sold into consumption, and hence the restoration of normal reserve stocks on this market is a highly uncertain, even unlikely, affair.

Geranium.—The call was for moderate quantities and the total of business was not very large last week. However, the market kept all of its recently steady undertone and competition was negligible.

Pennyroyal.—Imported material was lower at $1.40 to $1.45 per pound and supplies were said to show improvement, and some increase, too. Domestic oil was steady but lacking in important sales activity.

Peppermint.—No change in the local or primary market was noted. On the spot, a fair amount of competition was still in evidence, but much of it was the result of the presence of oil the quality of which was questioned by some dealers. Demand was routine.

Pimento.—Berry oil was reported higher at $4 to $4.25 per pound and was strengthening further because of the absence of normal stocks of leaf oil. No relief from the present situation can come much before August-September, when new crop will be offered. Leaf oil was also higher at $2.50 to $2.60 per pound.

Sandalwood.—Mysore oil was reported to be in firm position and finding favor with discriminating buyers in the pharmaceutical industry. Quality runs high and stable. Supplies were ample for current requirements.

Wormseed.—The Egyptian Government is in the market for American oil and sellers interested in submitting bids may obtain copies of the tenders used for this purpose upon application to the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington, D. C. Quotations are due on June 16, next.

Aromatic Chemicals

Benzyl Formate.—The market was steady to firm and demand was said to have been maintained at its recently satisfactory volume. Quotations were well maintained.

Benzylidineacetone.—Trading was somewhat quiet. Buying was of jobbing sort and indicated that most manufacturing consumers were buying close to their actual consuming requirements. Prices were steady.

Bornyl Acetate.—Stocks continued to be moderate in size and because of difficulty in getting substantial quantities of raw material, they were not likely to be increased in the nearby future. Demand was irregular, but prices held firm.

Citral.—A very good consuming request was noted last week and prices were steady to firm throughout the period. Competition was active within somewhat narrow limits that were set by the prevailing cost to produce the material.

Citronellal.—Moderate interest was displayed but the movement to buyers were more than sufficient to keep prices steady and to hold competition within narrow bounds.

Citronellol.—A gain in inquiries was reported last week and some said, also, that sales showed an improvement over those in recent periods. Pricewise, the market appeared to be quite firm in all respects.

Heliotropine.—The domestic article had a very good call and buyers were disposed to cover their needs fairly well ahead. The undertone of the market was steady to firm throughout the period.

Linalool.—Business was done mainly in jobbing quantities during the past week. Buyers were somewhat reserved as stocks in hand were in most instances sufficient for more than current requirements. Prices, however, were unaffected and closed the period in steady position.

Linalyl Acetate.—Bergamot oil was firmer and higher last week and hence the opportunities for the sale of linalyl acetate were improved. Demand was reported to be very good and up to normal in size.

Methyl Acetophenone.—Business was somewhat quiet. Trading seemed to be on a hand-to-mouth basis most of the time and the resulting volume of sales was somewhat under that normal for this material. Prices held.

Vanillin.—High cost of vanilla beans has encouraged the use of vanillin and all factors in the article reported a very good volume of sales last week. Prices were firm in keeping with the prevailing strength in the cost of manufacture.

Flavoring Extract Makers Discuss Laws

(Continued from page 5)

costs of materials and containers and appropriately adjusting selling prices? (3) Did they know and include in such costs the "unseen" items of evaporage, shrinkage, spillage, breakage, and other damage? (4) Were they checking materials inventories at intervals affording an accurate check on gross profits? (5) Were they duly concerned with reference to improved industrial relations?

Mr. Karl discussed these matters in informative detail, and concluded:—

We have considered the two factors of cost that make up the major portion of the sales dollar. A fair general average of materials and material losses would approximate 60 percent; all wages and salaries, let us assume, approximate 15 percent; then there remains only 25 percent for delivery expenses, all operating costs, taxes, and net profit. While these percentage relations and subdivisions of the sales dollar are only assumption, I believe they serve the purpose of pointing out the basic principles of my message that gross profits will have to be maintained over and above our wages and operating expenses and taxes if we want to make a profit.

Questions related to the subject of social security came in for discussion following a paper by Dr. Harry L. Wells, business manager of Northwestern University, who spoke on "Social Security in Business." He stated that private business must begin planning the future of private enterprise for private enterprise, or it will lose its business to a new competitor, and the American experiment in democracy will have failed.

"Creating Sales through the Package" was discussed by Paul Ressinger, designer. The legislative committee made a special report on the proposed revision of the Federal Food and drugs act.

The New Officers

The election for officers resulted in the retention in office of last year's president, secretary, and treasurer. The list of officers chosen is as follows:—

President, George M. Armor, of McCormick & Co., Baltimore.

Vice-presidents, L. P. Symmes, of the Baker Extract Company, Springfield, Mass.; A. F. Wussow, of the Price Flavoring Extract Company, Chicago; Clarke E. Davis, of the Virginia Dare Extract Company, Brooklyn.

Secretary, E. L. Brendlinger, of the Dill Company, Norristown, Pa.

Treasurer, Leslie S. Beggs, of the Styron-Beggs Company, Newark, Ohio.

Executive secretary and counsel, John S. Hall, First National Bank building, Chicago.

Members of executive committee, George H. Burnett, of the Joseph Burnett Company, Boston; J. A. Handy, of the Larkin Company, Buffalo; W. F. Meyer, of the Warner-Jenkinson Company, St. Louis; John H. Beach, of Seeley & Co., New York.

Attendance at the convention was large.

An extensive program of entertainment was a feature of the general affair. The convention committee was headed by A. F. Wussow; the registration committee, by M. B. Zimmer; the entertainment committee, by Gerald F. Pauley, and the golf committee, by Frank Z. Woods.

Frank Z. Woods got a leg on the Smith cup in the golf tournament with a gross score of 88. Net scores of other players were:—

L. S. Beggs	70
T. F. Gilson	70
M. Vance	70
F. W. Green	72
R. A. Morris	73
W. Jelly	74
L. B. Shinn	74
A. Rasmussen	75
F. Allen	76
C. Langfield	77
B. H. Smith	77
J. Gauer	79
Ray Caulk	80
H. Baumstark	81
J. Beach	81
F. J. Lueders	81
F. Topper	81
A. C. Hassel	82
C. Nowland	82
F. O. Snyder	82
J. A. Weidler	82
P. L. Cooley	84
W. Moore	85
G. F. Pauley	85
A. C. Drury	88
G. A. Cammerant	94
V. Fischer	99

Wedgwood Club, Baltimore social drug group, held its May meeting as guests of Manuel Hendler, president of the Hendler Creamery Company, at Hendler Shore on the Severn river.

Finest Quality and Uniformity D&O ESTABLISHED IN 1798 *Are Assured by the "D & O" Label*

A complete range of materials for the
PROPRIETARY and TOILET GOODS Industries

BALSAMS
OLEO RESINS
ESSENTIAL OILS
AROMATIC CHEMICALS

"D & O" Specialties
Anethol, Eucalyptol, Eugenol,
Safrol, Sassafras Artificial

"D & O" PERFUME BASES
for every purpose

We are Agents for the
SPECIALTIES of
FABRIQUES DE LAIRE
PARIS
J. MERO & BOYVEAU
GRASSE

DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Branches: Philadelphia Boston Chicago St. Louis Los Angeles

Second Annual Meeting

Toilet Goods Association

New York, May 25 to 27, 1937

A resolution requesting that the Federal Trade Commission withhold its promulgation of the pending fair trade practice rules for the toilet goods industry until the Robinson-Patman Act has been clarified, and a decision to continue the work of the board of standards of the organization, were adopted at the second annual convention of the Toilet Goods Association

Herman L. Brooks
Re-elected President

held May 25 through 27, in the Hotel Biltmore, this city.

The convention also heard reports on the activities of the association during the past year, listened to arguments for and against various Federal and State laws affecting the cosmetic industry, and re-elected all officers of the association for another year.

Tuesday Sessions

The convention opened for business Tuesday morning with the roll call, communications, and reports of the committee on membership and the entertainment committee. The committee on membership reported a ten percent gain in the enrollment since the last convention. Charles E. Kelly, chairman of the entertainment committee described the arrangements whereby the convention would visit a current Broadway stage show, "Babes in Arms," Tuesday evening; stage a golf tournament at the Canoe Brook Country Club, Summit, N. J., Wednesday afternoon; and conclude the convention Thursday evening with a reception and banquet in the ballroom of the Hotel Biltmore.

Herman L. Brooks, president of the organization, on Tuesday afternoon presented a report on the activities of the Toilet Goods Association since its 1936 convention. He stated that legislative matters, both Federal and State, have been the most numerous as well as the most annoying problems that had to be contended with. He revealed that 21 food, drugs, and cosmetics acts were introduced in state legislatures, but, with the exception of North Dakota, none were enacted. The association was successful in having very damaging bills defeated in the States of New York, Texas, Washington, and California. He also mentioned the trade-mark registration bills, many of which were introduced during the past year, as a serious menace to the industry.

In the matter of attempting to have the present ten percent excise tax on toilet goods cancelled or reduced he called attention to the fact that congress has given absolutely no consideration to the taxation question for the coming year. He added that efforts are constantly being made to impress upon congress the injustice and discriminatory nature of the tax.

Fair Trade Practices

With respect to the fair trade practice rules now being patterned by the Federal Trade Commission for the toilet goods industry Mr. Brooks said:—

Even though the Fair Trade Practice Conference held last November was called at the instigation of members of the industry, and not by the Toilet Goods Association, I think this question of sufficient importance to be included in this report. At a meeting held last Fall, at which over 100 firms were represented, it was unanimously agreed to ask the Federal Trade Commission to hold a conference. About eight weeks ago the Federal Trade Commission mailed to every firm in this industry certain rules and regulations. Even though this conference was not originally called at the request of the Toilet Goods Association, your board of governors, at a meeting following the issuance of these rules, decided to make this matter the business of the association.

Some of you may wonder why many firms who were in favor of trade practice rules have seemingly reversed themselves and have written the Federal Trade Commission to withhold the promulgation of these fair trade rules. The reason for requesting the delay was due to the confusion in the minds of practically everyone regarding the proper interpretation of the Robinson-Patman Act. Inasmuch as these fair trade rules were patterned after that law, many firms felt that it would be equally impossible to interpret the clauses of these rules.

Furthermore, since the trade practice conference was held, complaints have been issued against a half-dozen firms, though so far none of these cases have been concluded. It was therefore believed that it would be better to withhold these trade practice regulations until these complaints were out of the way. The settlement of these cases should help to clarify the confusing phraseology of both the Robinson-Patman act as well as these new rules. No one, as far as I am able to determine, has changed his mind about the necessity for putting our house in order and ridding ourselves of undesirable practices, but we want to be sure that when we do we know what it is all about. As you were informed through a bulletin, a letter was written to the Federal Trade Commission, following a personal appearance before it of Mr. Welch and your president, requesting a temporary postponement. To date no reply has been received.

To Combat Charges

Mr. Brooks also suggested during his address that it might be advisable for the association to employ a publicity organization to combat the charges and statements made in prevalent consumer literature and bulletins with a barrage of truthful statements about toilet goods. Another suggestion made was that present members seek to enroll additional members of the industry.

Following the presidential report, an address was delivered by Lee H. Bristol, acting chairman of the advisory committee on advertising of the Proprietary Association on "The Need for Industry Control of Advertising." Mr. Bristol in his address said:—

The public's impression of any business, its products, and its services, is obtained through its advertising of its business and, therefore, I believe that the advertising is the crux of our public relations problem.

I think it is well for us at this point to look into the mirror of public opinion and find out what the critics of advertising are saying. At present the vocal critics of advertising are mostly to be found in the groups of higher intelligence, and while our products are sold to the masses, I believe that the thinking of the articulate minorities is significant and must be considered. A manufacturer cannot ignore these criticisms because college professors and students and members of women's clubs form only a small percentage of his market. If he does, he ought to go out into the desert and stick his head into the sand.

The first problem we encounter when we consider industry control of advertising is a definition of what is sound and what is objectionable. This problem is especially difficult of solution in the field of therapeutic claims. It is one that should have the close attention of the scientific men and the copy-writers who translate the scientific facts into language for the layman.

Aims of Board of Standards

The organization, functions and aims of the Board of Standards of the Toilet Goods Association was next discussed by H. Gregory Thomas, director of the board. Mr. Thomas said the work of the board resolves itself into three divisions:—

1. The question of the products of the industry themselves and particularly as regards their ingredients.

2. The question of an adequate control of advertising claims, with a view to removing false and misleading statements which are unfair in a competitive sense, and which through the deception of the consumer lessens the value of all advertising.

3. Finally the board of standards must concern itself with the rebuttal of the scurrilous and often groundless attacks made by certain groups against the industry and its products.

To fulfill the first of these duties the board has begun an exhaustive study of harmful ingredients which might find their way into the manufacture of cosmetic preparations.

To more ably control the advertising claims, the board is making intensive studies of such subjects as allergy and vitamins, and is following very closely the developments in legislation pertaining to the industry.

Attacks to Be Counteracted

Among the attacks on the industry which must be counteracted, Mr. Thomas cited those of the "consumer" crganizations, which have enlarged their system of distribution from private bulletins to news-stand publications and motion-pictures; the medical association, which issued "Cosmetics and Allied Preparations"; and food and drug officials. He stated that:—

To ensure an adequate defense of our industry, it must make itself impregnable. False advertising claims which purport to deceive, without deceiving, only result in a storm of unfavorable criticism.

Advertising copy can be both truthful and attractive. Many are the instances of such a nature to be found in any current publication. We must not make therapeutic claims for our products, thus bringing them under obnoxious and unnecessary regulaiton.

The cosmetic industry must believe in itself, in its own value. Our industry has championed greater cleanliness and contributed to the enhancement of the American standard of living. It is essentially not only a valuable business, but a clean business and it is our duty to protect it from all its detractors.

Wednesday Sessions

The election of officers, held Wednesday morning, resulted in the entire executive slate being re-elected for another year and the addition to executive committee of C. M. Baker, of the Pond Company, and Northam Warren, of the Northam Warren Corporation.

The officers re-elected were: President, Herman L. Brooks, general manager of Coty, Inc.; first vice-president, Cecil Smith, of Yardley & Co.; second vice-president, J. H. Miller, of the Dorothy Perkins Company; third vice-president, H. P. Willats, of Colonial Dames, Inc.; treasurer, Paul F. Vallee, of Roger & Gallet; secretary, J. I. Poses, of the A. A. Vantine Products Corporation. Charles S. Welch will continue as executive secretary.

The members of the executive board re-elected were: C. A. Pennock, of Richard Hudnut; A. H. Bergmann, Oxzyn Company; J. H. Helfrich, of the Helfrich Laboratories, Illinois; H. Clyde Balsley, of Katherine A. MacDonald; D. H. McConnell, Jr., of the California Perfume Company; George A. Wrisley, of the Allen B. Wrisley Company; A. E. Johnston, of the Colgate-Palmolive-Peet Company; Paul Douglas, of Bourjois, Inc.; Earl Means, of the Bristol-Myers Company, and D. J. Mulster, of Ferdinand Muhlens, Inc.

Following the election the manufacturers met in closed session. It was here decided to continue the work of the board of standards.

Wednesday afternoon no business sessions were held. The gathering divided; the men played golf, the ladies held a bridge party at the Hotel Biltmore.

Thursday Session

Hugo Mock, association counsel, discussed the legal problems and trends

Charles S. Welch
Executive Secretary

in the cosmetic industry Thursday forenoon. He was joined in this discussion by Mark Eisner, also a counsel for the Toilet Goods Asssociation. Among the matters discussed were the many harassing State food and drug laws introduced, the trademark registration laws, and the Federal excise taxes.

At a luncheon, Thursday, the convention heard addresses by Representative Mary T. Norton, Lillian S. Dodge, and Mark Eisner on various phases of the Federal excise tax on cosmetics.

Representative Norton, who is sponsoring a bill to repeal the 10 percent excise tax on cosmetics, which expires along with the rest of the nuisance taxes on June 30, said that the tax was discriminatory, in that it falls upon one class of people.

Pointing to the working women as the buyers of the majority of cosmetics, Representative Norton denied that cosmetics were in the class of luxuries, saying that any business or professional people could realize the fact that they had become necessities.

The woman consumer's viewpoint was presented by Miss Dodge. She also asked that congress be asked to repeal the excise tax on cosmetics.

Inconsistencies in Taxes

Mr. Eisner pointed out the inconsistencies existing in the excise taxes whereby cosmetics are classed as luxuries, but jewelry is not so classified, and is tax-free. He also commented on the Robinson-Patman Act, lauding its purpose, but stating that it was completely obscured in the vague generalities of the law's language.

At the afternoon session addresses were presented on the advantages and defects of fair trade legislation by Crichton Clarke, counsel of the American Booksellers Association, and Q. Forrest Walker, economist of R. H. Macy & Co., respectively. Senator Royal S. Copeland also spoke on Federal food and drug legislation.

Senator Copeland stated that a law should be passed not to regulate honest industry but to elevate the standards set by it. Concerning the administration of a Federal drug law, he said that a large group in the house is of the opinion that a Federal Trade Commission should be empowered with its administration. Senator Copeland stated

that where or who administers the law is unimportant; how the law is administered is the vital point. He emphasized that administration should, if possible, be administered by one agency only.

Among the reasons cited for the Federal Trade Commission administration of the law is that body's familiarity with regulating advertising. It is advertising control which is causing the lengthy controversy on the law, the standards to be set for drugs and preparations are much more easily agreed upon. Senator Copeland considered the advertising matter of a preparation as an extension of its label.

Economics of Price Fixing

Mr. Walker spoke on the economics of retail price fixing. He held that price maintenance contracts freeze retail prices and place a burden on the consumer. He stated that under these contracts the merchant becomes a glorified vending machine.

He reported that a survey had been made to ascertain the effect of fair trade legislation on retail prices and the findings disclosed that during the period from March 3, 1937, when fair trade laws were validated in New York, to May 22, 1937, the average price to the consumer on drugs and proprietary items advanced 16.6 percent, cosmetics and toilet goods advanced 8.1 percent, and liquors 14.6 percent. He added that the end of these rises is not yet in sight since additional manufacturers are still issuing fair trade retail price contracts. Several individual items showed much higher percentage raises, he said.

He mentioned the fact the private brands are being introduced in competition with nationally advertised products on which the price has been "fixed." He claimed striking gains have been made in the sales of the private brand merchandise, setting the increase since March at 75 percent.

He stated that already rumblings are heard of the awakening of a consumer movement which will demand information on the costs of production and distribution and the effects of price maintenance on living costs.

In conclusion he said price maintenance destroys free and open competition, gives the consumer no protection, and is as dangerous to distirbutive systems as monopoly is to manufacture, and it has no place in the modern marketing system.

Mr. Clark presented the opposite viewpoint, speaking on the "Value of Retail Price Maintenance." He decried the "checkerboard competition" formerly practiced by large organizations in first underselling, and thus destroying, all competition in first one field or department, and after competition has been destroyed transferring similar activities to another department. To contradict the opinion that fair trade is a burden on the consumer he pointed to the automobile industry, where no underselling exists, but which still is openly competitive and has given the consumer the greatest value possible for price paid.

The decision of the Supreme Court of the United States in the Miles Medicine-John Park Co. case, in which it was decreed that the manufacturer had no right to set the price at which his product must be sold, was described by Mr. Clark as a blunder. He stated the destructiveness of this decision placed it second only to the Dred Scott decision. The Miles decision, he said, converted the Sherman anti-trust law into a legal monstrosity.

The reversal of the above case will bring about a removal of the cause of large aggregations in business, he opined, and a removal of the cause will reverse the effects produced, and the small merchant and smaller marketer will return to the importance he held in former times. He pointed to the European situation where the underselling system was never permitted to substantiate his statement.

He also called attention to the fact that as the larger combinations developed they employed the size of their purchases to extort sellers and gain unfair discounts. The Robinson-Patman Act prevents the overcharging of the little man and so overcomes the ability of the large organization to use the margin gained to undersell.

He concluded with the thought that it was now necessary to have a Federal fair trade enabling act passed to make state fair trade laws more effective.

A banquet was held Thursday evening, in the ballroom of the Hotel Biltmore. This was the final event of the convention.

COSMETIC POWDERS
Of Quality
SINCE 1898

TALC
AMERICAN
CANADIAN
ORIENTAL
FRENCH
ITALIAN

KAOLIN
PREC. CHALK
RICE STARCH
ZINC OXIDE
ZINC STEARATE
MAGNESIA
ELECTROS CLAY
COLLOIDAL CLAY
FULLERS EARTH
EARTH COLORS

CBC CHARLES B. CHRYSTAL MINERALS, CLAYS, COLORS 1897 NEW YORK

Write for Samples and Prices

CHAS. B. CHRYSTAL CO., Inc.
IMPORTERS
Park-Murray Bldg., Park Place - NEW YORK

Bids Wanted

Acetic Acid:—3,500 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-250, opening June 7.

Acetylene Gas:—10,800 cubic feet; Chief Clerk, U. S. Industrial Reformatory, Chillicothe, O.; procurement 400, opening June 7.

Acids:—Supplies for Chicago and Perry Point; Procurement Division, Veterans Administration, Washington; procurement 934, opening June 3.

Alcohol:—Supplies of as required by the Indian Service during the fiscal year 1938; Purchasing Officeer, Interior Department, Washington; schedule 18-A, opening June 7.

Aluminum Bronze Powder:—2,400 pounds; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, O.; circular 776, opening June 10.

Aluminum Paint Mixing Varnish:—1,600 gallons; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, O.; circular 777, opening June 8.

Anayodin Powder and Anayodin Pills:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 732, opening June 8.

Antiformin:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 723, opening June 8.

Argyrol:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 734, opening June 7.

Asphalt Emulsion:—20,000 gallons; State Procurement Officer, Treasury Department, Harrisburg, Pa.; procurement 8-2908, opening June 2.

Azorchlormid in Triacetin:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 901, opening June 7.

Barium Nitrate:—27,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; circular 812, opening June 9.

Brushes:—414, three types; Procurement Division, Veterans Administration, Washington; procurement X-249, opening June 2.

Chrome Green:—1,000 gallons; Contracting Officer, Fort Benning, Ga.; procurement 148-133, opening June 5.

Chrome Yellow:—1,000 pounds; Contracting Officer, Fort Benning, Ga.; procurement 148-133, opening June 5.

Cleaning Solvent, Dry:—10,000 gallons; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-250, opening June 7.

Creosote Stain:—20,000 gallons for various deliveries; Purchasing and Contracting Officer, Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 503-244, opening June 3.

Creosote Oil Stain:—750 gallons; Quartermaster, C.C.C., Pittsburgh, Pa.; procurement 5302-90, opening June 3.

Cresol, Saponated Solution:—3,000 gallons; Procurement Division, Veterans Administration, Washington; procurement 947, opening June 3.

Drugs and Chemicals:—Supplies for Chicago and Perry Point; Procurement Division, Veterans Administration, Washington; procurements 954, 957 and 929, opening June 3.

Supplies for St. Paul, Minn.; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 9123-SP, opening June 3.

Supplies for Chicago and Perry Point; Procurement Division, Veterans Administration, Washington; procurement 958, opening June 4.

Felsol Powder:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington, procurement 726, opening June 8.

Formaldehyde Germicide:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 733, opening June 7.

Fuel Oil:—Supplies for Norfolk during a 6 or 12 months period beginning July 1; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 9127-D FO; opening June 7.

Fuel Oil, Bunker C and Diesel Engine:—Supplies for east coast points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 858, opening June 4.

Gasoline:—Supplies of for various deliveries, during the period July 1 to September 30; U. S. Engineer Office, Fort Peck, Montana; circular 476, opening June 18.

Gasoline and Motor Oil:—Supplies; U. S. Engineer Office, Conchas Dam, N. Y.; circular 127, opening June 2.

Glue, Animal:—1,500 pounds; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1836-S, opening June 2.

Glycerin:—10,000 pounds for Chicago and Perry Point; Procurement Division, Veterans Administration, Washington; procurement 946, opening June 4.

Gomenol and Oleo Gomenol:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 731, opening June 8.

Iodine:—86,430 ¼-pound bottles; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 103, opening June 10.

Iodine and Potassium Iodide Powder:—988,597 tubes; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 103, opening June 10.

Lacto-dextrin:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 735, opening June 8.

Lard and Lard Substitute:—Supplies for various deliveries, District Quartermaster, C.C.C., Sacramento, Cal.; procurement 5911-57, opening June 9.

Laundry Chip Soap:—124,500 pounds; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1841-S, opening June 2.

Laundry Soap:—175,920 cakes; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1841-S, opening June 2.

Laundry Soap Powder:—250,000 pounds; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1846-RS, opening June 2.

Laundry Starch:—13,750 pounds; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1841-S opening June 2.

Laundry Starch:—50,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-268, opening June 7.

Laundry Washing Soda:—200,000 pounds; Quartermaster Supply Officer Army Base, Brooklyn, N. Y.; procurement 626-268, opening June 7.

Linseed Oil:—1,800 pounds; State Procurement Officer, Treasury Department, Boston, Mass.; procurement 265-14-2011; 5-4963, opening June 3.

Lysol:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 865, opening June 8.

Magnesium Sulphate:—1,200 5-pound containers; Procurement Division, Veterans Administration, Washington; procurement 933, opening June 1.

Marking Ink:—1,320 pints; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-250, opening June 7.

Medicinal Yeast:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 861 opening June 7.

Milk Powder, Whole: — Supplies required during the period July 1 to December 31; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 9094-SP, opening June 3.

Olive Oil:—1,296 1-quart tins; Procurement Division, Veterans Administration, Washington; procurement 942, opening June 4.

Oxygen Gas:—19,800 cubic feet; Chief Clerk, U. S. Industrial Reformatory, Chillicothe, O.; procurement 400, opening June 7.

Paint, White:—380 gallons; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1850-S, opening June 2.

750 gallons; Quartermaster, Fort Barrancas, Fla.; procurement 137-82, opening June 7.

Paint and Varnish Remover:—500 gallons; Contracting Officer, Fort Benning, Ga.; procurement 148-133, opening June 5.

Paraffin Wax:—2,300 pounds; Commanding Officer Picatinny Arsenal, N. J.; circular 826, opening June 1.

Potassium Iodide:—3,977 1-pound bottles; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 103, opening June 10.

Quinine Sulphate:—4,226 5-grain bottles tablets; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 103, opening June 10.

Scouring Compound Powder:—6,864 pounds; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1841-S, opening June 2.

Scouring Powder:—Supplies; Quartermaster, Fort Hayes, Columbus, O.; procurement 419-36, opening June 7.

Shellac Varnish:—1,000 gallons; Contracting Officer, Fort Benning, Ga.; procurement 148-133, opening June 5.

Silver Protein, Strong:—1,000 bottles; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 106, opening June 12.

Soaps: — Supplies; Quartermaster, Fort Hayes, Columbus, O.; procurement 419-36, opening June 7.

Stannoxyl Ampules and Stannoxyl Tablets:—Supplies as required during the fiscal year 1938; Procurement Division, Veterans Administration, Washington; procurement 725, opening June 8.

Terpin Hydrate Tablets:—10,000 bottles; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; circular 106, opening June 12.

Tooth Brushes:—Supplies; Quartermaster, Fort Hayes, Columbus, O.; procurement 419-36, opening June 7.

Tooth Powder:—Supplies; Quartermaster, Fort Hayes, Columbus, O.; procurement 419-36, opening June 7.

Turpentine:—1,000 gallons; Contracting Officer, Fort Benning, Ga.; procurement 148-133, opening June 5.

Varnish Oil:—150,000 pounds; for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 844, opening June 8.

Wax, Floor:—5,938 pounds; Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 1836-S, opening June 2.

White Lead In Oil:—1,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-264, opening June 4.

2,000 pounds; Chief Clerk, U. S. Penitentiary Annex, Fort Leavenworth, Kans.; procurement 140, opening June 8.

Yellow Ocher in Oil:—800 gallons; Contracting Officer, Fort Benning, Ga.; procurement 148-133, opening June 5.

Cinchona Exports Increase 60 Percent in Valuation

An increase of sixty percent in the total value of exports of cinchona and derived quinine sold in 1936, as compared with 1935, was evidence of the marked increase of activity in the quinine industry last year, according to information received by the Department of Commerce from the United States Trade Commissioner at Batavia. The total value of exports was 10,722,000 Dutch florins for the first eleven months of the year. Exports of bark increased from 5.517 metric tons in 1935 to 8,663 metric tons in 1936, while the outmovement of quinine was 190 tons for 1936, as compared with 90 metric tons in 1935.

The original 1936 quota of permissible exports of quinine sulphate in bark amounted to 747,000 kilos under the regulations of the Cinchona Restriction Ordinance, but this was increased to 818,500 kilos to meet with the heavy demand for quinine throughout the world towards the end of 1936. Benefits accruing to Netherlands India, producers of cinchona bark under the restriction scheme, were so obvious that the restrictions were extended for a further period of ten years from January 1, 1937. This action was recommended by a committee appointed to study the results obtained under the restriction program.

John F. Seal, treasurer of the Socony Vacuum Oil Company, has been appointed to fill a vacancy in the membership of the borough council of Leonia, N. J., where he resides.

Petroleum Solvents, Lubricants, Fuels

Solvents and Naphthas Prices Advanced in Local Tankcar and Tankwagon Markets—East Texas Crude Price Raised —Gasoline Buying Heavy

Prices for petroleum solvents and naphthas were advanced in the markets at New York, Philadelphia and northern New Jersey last week. Although some factors raised prices just before the preceding week-end, the rise was made general on Monday of last week. The advance included both the tankcar and tankwagon markets and was the first change in prices since last February. There was no change in the Midcontinent market nor in the distributing markets throughout the middle West. However, there was a good deal of strength in the Midcontinent market.

An increase in posted crude oil prices at East Texas was the outstanding movement in the Midcontinent. Buyers had been forced to pay premium prices to obtain the crude and an advance was effected to bring the purchase price up to $1.35 per barrel, the highest price posted in years. Observers of the market expected that gasoline would reflect the added cost of East Texas crude although there was some doubt expressed as to whether or not the crude rise would extend to other fields.

Gasoline was firmer last week and prices were advanced in the New Jersey bulk markets. Jobber buying in preparation for the Memorial Day holiday was larger than at any previous time this year and the start of the Summer season finds the market in much better shape than many trade interests thought it would what with the heavy surplus of stocks through the latter part of the Winter.

The daily average production of crude oil for June, 1937, estimated by the Bureau of Mines as required to meet the demand is 3,366,000 barrels, or 33,100 barrels higher than the daily average estimated for May, 1937, and 359,800 barrels higher than the actual daily production of June, 1936.

Daily average production of crude oil in United States for the week ended May 22 was 3,550,450 barrels, a decrease of 1,500 barrels from the preceding week, according to the estimate of the American Petroleum Institute which omits any oil that might have been produced surreptitiously. The average for four weeks ended May 22 was 3,522,250 barrels and the average at this time a year ago was 3,007,150 barrels. Crude runs to stills averaged 3,050,000 barrels daily for 84.1 percent of operation, according to the reports made to the A.P.I., and, 240,000 barrels additional were estimated to have been sent to stills which were not reported for a total run of 3,290,000 barrels per day against 3,135,000 barrels in the preceding week. Crude oil stocks May 8 were 304,148,000 barrels against 303,249,000 barrels May 1, according to the Bureau of Mines.

Solvents and Diluents

Tankcar prices for mineral spirits or petroleum thinner, v.m.& p. naphtha, rubber solvents and Stoddard solvent were advanced in New York, Philadelphia and northern New Jersey points, and tankwagon prices in the same areas were also advanced. Some sellers advanced the market on Saturday, May 22, and others on May 24. The increase in prices was the first change in the Eastern market since February.

Cleaners' Naphthas.—Tankwagon prices in New York and Newark advanced ½c. per gallon to the basis of 12½c. per gallon, effective Monday of last week.

Petroleum Thinner.—Tankcar prices in New York, northern New Jersey and Philadelphia advanced ½c. per gallon to the basis of 10c. per gallon for all grades. The tankwagon prices were advanced to 11½c. per gallon at New York, Philadelphia and New Jersey.

Rubber Solvents.—Tankwagon prices in New York were raised ½c. per gallon to 13½c. per gallon. The Philadelphia price advanced ½c. to 14c. per gallon, and in northern New Jersey the market advanced ½c. to 13½c. per gallon. Tankcar prices were advanced ½c. to 10c. per gallon at all three points.

Stoddard Solvent.—In company with advances in other products, prices were advanced ½c. per gallon in the tankcar and tankwagon markets last week. The tankwagon price was boosted to 11½c. per gallon at New York, Newark and Philadelphia, while the tankcar price was raised to 10c. per gallon at these points.

V. M. & P. Naphthas.—The tankcar price advanced ½c. to 11c. per gallon at New York, New Jersey and Philadelphia, while the tankwagon market was also raised ½c. per gallon at these points to 12½c. per gallon in New York, 13c. per gallon at Philadelphia and 13½c. per gallon at New Jersey points.

Markets at Other Centers

Chicago, May 27.—Petroleum solvents and diluents remain in what was considered to be generally a firm and fairly active market position. The volume of trade coming into sight at this time is reaching fairly good totals, especially in some of the divisions, where industries were most active. Inquiries were fair. Ruling prices in tankcar lots, except as noted, were (tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 5⅛c. to 5¼c. per gallon; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 17.1c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 15.8c., tankwagon; rubber solvent, 7⅜c. to 7½c.; lacquer diluent, 8⅜c. to 8½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.6c., tankwagon; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar; 16.1c., tankwagon.

Tulsa, May 27.—There was a better movement of the seasonal products. Prices continue maintained at 6⅞c. to 7⅛c. per gallon for the various grades of cleaners, V.M.P. and Stoddard solvents.

Lighter Fractions

The domestic market demand for liquefied petroleum gases increased 38.8 percent in 1936, compared with 1935, according to the report submitted to the Bureau of Mines, with sales for domestic use, gas manufacturing, industrial fuel and chemical manufacturing, and fuel for internal combustion engines totaling 106,652,000 gallons against 76,855,000 gallons in 1935. Exports of liquefied petroleum gases increased from 4,237,000 gallons to 4,897,000 gallons.

Butane.—The 1936 sales totaled 47,455,000 gallons against 34,084,000 gallons in 1935 and 25,553,000 gallons in 1934, according to the Bureau of Mines report. Sales have been rising annually from the 14,662,000 gallon figure in 1932.

Pentane.—The Bureau of Mines data for this liquefied petroleum gas showed 1936 sales at 2,575,000 gallons against 2,465,000 gallons in 1935, 1,922,000 gallons in 1934 and 814,000 gallons in 1933.

Propane.—The 1936 sales totaled 36,502,000 gallons, which compared with 26,814,000 gallons in 1935 and 18,681,000 gallons in 1934. Sales of propane-butane mixtures in 1936 totaled 20,120,000 gallons against 13,492,000 gallons in 1935 and 10,271,000 gallons in 1934.

Petrolatums and Waxes

White Mineral Oils.—The market was very quiet last week. There was very little new purchasing interest and the withdrawals against contracts were light. Prices for domestic and foreign oils continued unchanged.

Paraffin Waxes.—Interest in scale and refined waxes was not so active as it was a week ago. There was a good rate of shipments but new purchasing attention was light. The scale wax market here held its position of a week ago with 2.70c. per pound quoted for the 122-124 A.m.p. grade and 2¾c. per pound asked for 124-126 A.m.p. Fully refined waxes were steady at the price levels that have been in force for some time back.

CHICAGO, May 27.—The refined wax market here was holding its own without much difficulty. Orders were reported coming from various sections, and prices were firm all along the line, it appeared. Inquiries continue to be reported as reaching quite good totals. Ruling prices were:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, May 27.—The strong position created in this product last week was being easily maintained. Demand was reduced in refinery stocks considerably and many offers have gone unfilled. The 124-26 American crude continued quoted at 2.85c. to 3c. per pound.

Petrolatum.—Refiners' prices held without change and were very firm at the full levels of the quoted schedule. The demands have dropped off, as is usual about this time of the season, but some of the sellers reported that the Summer lull in recent seasons was not as pronounced as it used to be, perhaps because of a more diversified use of petrolatum these days.

Fuels and Lubricants

The gasoline market in northern New Jersey was stronger, and prices for tankcar and tankwagon buyers were advanced last week. The entire market in the East Coast sector was strengthened as the market approached the Memorial Day holiday and the beginning of the Summer motoring season. Kerosene continued somewhat draggy. Motor fuel demand for the domestic trade for June, as forecast by the Bureau of Mines, has been estimated at 48,500,000 barrels, or 9 percent higher than the June, 1936, demand. Exports in June should reach 2,600,000 barrels, or 200,000 barrels less than May. Benzol and "direct" sales and losses of natural gasoline have been estimated at 1,050,000 barrels, making the estimated production of gasoline for June 46,100,000 barrels. This is distributed among the districts as follows (thousands of barrels):—East Coast, 6,780; Appalachian, 1,690; Indiana-Illinois, 8,000; Oklahoma, 3,080; Kansas-Missouri, 2,990; Inland Texas, 3,700; Gulf Texas, 10,190; Gulf Louisiana, 1,570; Inland Louisiana-Arkansas, 950; Rocky Mountain, 1,090; California, 6,060.

Outputs and Quotas

A comparison of Bureau of Mines calculations for May production, state allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended May 22, follows:—

	B. of M. Dept of Int. calculations.	State allowable.	Estimated output.
Oklahoma	622,700	622,700	649,700
Kansas	187,100	187,100	197,550
Texas	1,310,800	1,411,236	1,424,900
Louisiana	249,400	240,900	242,450
Arkansas	28,500	.....	27,100
Eastern	117,400	.....	118,150
Michigan	34,900	.....	44,250
Wyoming	49,000	.....	56,200
Montana	15,200	.....	16,100
Colorado	4,800	.....	3,600
New Mexico.	99,800	114,000	112,250
California	583,300	*602,230	5,558,200
Totals	3,332,980	.....	3,550,450

* Recommendation of Central Committee of California Oil Producers.

Tankwagon Price Changes

NEWARK.—Tankwagon gasoline prices advanced ½c. per gallon, May 27, at Newark. The Standard Oil Company of New Jersey posted 9c. per gallon for undivided dealers and 8½c. per gallon for consumers.

NEW YORK.—Tankwagon gasoline prices advanced ½c. per gallon to 8½c. per gallon in New York. The Socony-Vacuum Oil Company and the Texas Company posted the higher levels.

Market Conditions

Gasoline.—Tankcar market prices advanced ½c. per gallon Thursday, at northern New Jersey points and quotations were now 7½c. per gallon. The Bayonne price for 65 octane, U. S. motor grade was raised ¼c. per gallon to 7½c. per gallon. The increase in the tankcar market in northern New Jersey was accompanied by an increase of prices in the tankwagon market and the consumer prices were also raised by individual service station operators. The jobber movement of gasoline out of the refinery points was much larger last week and the market appeared to have struck a real, seasonal stride. Preparations for the "three-day week-end demand were heavy and with the market commencing the Summer season in good shape, there was a belief that a general increase in prices might be made soon. The export market at the U. S. Gulf was unchanged last week with quotations at 5⅞c. per gallon for U. S. motor; 6c. per gallon for 60-62, 400 e.p.; 6⅛c. per gallon for 60-62, 390 e.p.; and 6¼c. per gallon for 64-66, 375 e.p.

Kerosene.—The market continued more or less idle last week and while tankcar lots of 41-43 water white ma-

The State of the Petroleum Market

Crude oil prices at East Texas were advanced 8c. per barrel to $1.35 by leading purchasers. Gasoline at the refineries was strong.

	May 28	May 21	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.384	$1.376	$1.296
Gasoline prices at refineries (at four refining centers), per gallon	.054375	.054375	.0553125

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Made Right—Priced Right
Quality Positively Controlled

PENRECO PETROLATUM is a straight distilled product refined from 100% Pure Pennsylvania Crude oil. It is unexcelled for cosmetics, salves, ointments, etc. For generous samples write, wire or 'phone.

PENNSYLVANIA
Refining Company
Main Office: BUTLER, PA.
Refineries at KARNS CITY and TITUSVILLE, PA.

PENRECO
U. S. P.
PETROLATUM

SHERWOOD'S WHITE OILS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

POWERFUL - LOW PRICED
JAVOLLA
An effective substitute for Citronella . .
Imparts a cleaner, finer, more appealing odor in soaps, insecticides, disinfectants and other technical mixtures.
FRITZSCHE Brothers, inc.
616 WEST 8TH STREET LOS ANGELES, CAL
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada
76 NINTH AVENUE, NEW YORK, N. Y.
PORT AUTHORITY COMMERCE BLDG.
118 WEST OHIO ST. CHICAGO, ILL.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1937 Jan. 1-May 29	1936 Jan. 1-May 29
Commercial crude oil production	498,483,000	428,342,000
	Week ended May 29, 1937	Week ended May 31, 1936
Daily average production	3,553,400	2,994,800
	Week ended May 22, 1937	Week ended May 15, 1937
Estimated motor fuel stock total	79,827,000	80,378,000
Estimated finished motor fuel stock at refineries	49,869,000	50,581,000

terial were quoted at 5½c. to 5¾c. per gallon, basis refinery, there were offerings at 5⅜c. per gallon with very little interest on the part of the purchasers. The export market at the U. S. Gulf was uncharged last week at 4¾c. per gallon for prime white and 5c. per gallon for water white.

Fuel and Gas Oils.—Spot prices for bunker oil continued at $1.35 to $1.50 per barrel for C grade, basis terminal points. Diesel oil remained steady. There was a keen interest in the forward position of fuel oils but the sellers have not named contract prices yet albeit something in that direction was expected in the near future.

Lubricating Oils.—The final week of the month was more active than any of the preceding weeks, according to the Pennsylvania oil refiners. The added demand last week prevented the market from sliding off because in the forepart of the period there were rumors of a softening price situation. Toward the end of the week, however, the market stiffened and was quite firm at the close.

Crude Oil Price Changes

East Texas

Humble Oil & Refining Company, Empire Oil & Refining Company, Texas Company, Sun Oil Company, and Magnolia Petroleum Company advanced posted prices for East Texas crudes 8c. per barrel, May 22, to $1.35 per barrel. This was the first change in price since January 23 this year.

Markets at Other Centers

Tulsa, May 27.—Although trading slackened as compared with the record proportions of the previous week, shipments absorbed the interest of refiners this week. Memorial day business should set new records in consumption. The eight-cent advance in East Texas crude oil prices was expected to contribute additional firmness to gasoline prices. Even before this advance, the area was one of the strongest in the Mid-continent, consequently the higher raw material can only accelerate the condition. It was believed that the first change in quotations would likely develop on the Gulf Coast. There have been many inquiries during the week for cargo shipments and it is possible that before the end of the coming week a buying movement of some proportions could develop.

However, there was no disposition to believe that the higher crude prices for East Texas will spread to other regions. The storage of well production continues at about the same rate as that prevailing during the past few weeks and East Texas is about the only area where there is keen competition in the bidding for well connections. Although notice of curtailment of well production has been given to Texas operators for June, it is not believed that the reduction in production will be great as the month progresses as new wells are expected to absorb most of the decrease.

Following is a list of quotations of the various products trade in the Mid-continent market on the basis of Group 3 quotations:—

GASOLINE.—U. S. motor continued firm at 4⅞c. to 5¼c. per gallon, the former for spot resale. This is for the lowest octane grade. The 63-67 continued to be quoted at 5⅜c. to 5⅝c. per gallon and the 68-70 octane at 6c. to 6¼c. per gallon. Other grades remained unchanged.

NATURAL GASOLINE.—The market continued firm as the demand was still large. Instead of the usual drop at this time of the year, the gains made last week were well maintained. The basic grade of 26-70 is 3½c. per gallon both in Oklahoma and Texas markets with 3⅞c. per gallon quoted for 22 grade and 4⅜c. per gallon for the 18 pound grade.

KEROSENE.—There was considerable firmness in this market but prices are also unchanged. While there is tightness in many quarters this is not a general condition and spot resale transactions were still being closed at the low figure of 4c. per gallon for the 41-43 while the market ranged up to 4¼c. per gallon and the 42-44 was quoted from 4⅛c. to 4½c. per gallon. There are many refiners expecting higher quotations in this product during the next two weeks.

DISTILLATES.—The unusual development of receiving inquiries for next season's delivery was experienced during the week. The No. 1 prime white to straw was quoted 3¾c. to 3⅞c. per gallon. The No. 2 straw at 3⅝c. to 3¾c. per gallon and the dark at 3½c. to 3⅝c. while the lower grades of gas oils were 3¼c. to 3½c. per gallon.

FUEL OILS.—There was no change in this market with trading in the low grade residuals still being effected at 80c. per barrel. This is regardless of gravity and cold tests. The higher grades of 24-28 sell for 92c. per barrel for the high cold tests and from $1.10 to $1.25 per barrel for the low cold tests.

Chicago, May 27.—With consumption of gasoline attaining a good rate for this season of the year, orders from distributors were coming in actively. Meanwhile, the tone of the market as a whole is a little mixed. The market for the most part remained at prices which prevailed for some few weeks past, despite reports of a few little disparities. Tankwagon price cuts have been quite a factor for some time. Kerosene and tractor fuel business appeared good. Home heating oil business naturally was at a low ebb. Heavy industrial fuel oils ruled at steady levels for the most part. Lubricating oils were strong in virtually all sections.

GASOLINE.—Low octane motor, 5⅛c. to 5¼c. per gallon; middle octane motor, 5½c. to 5⅝c.; high octane motor, 6⅛c. to 6¼c.; 60-62, 400, 5½c. to 5¼c.; 64-66, 375, 5⅛c. to 5¼c.; 68-70, 360, 5¼c. to 5⅜c.

KEROSENE.—42-44, water white, 4⅜c. to 4½c. per gallon; 41-43, water white, 4⅛c. to 4¼c.

FURNACE OILS.—No. 1 white, 3⅞c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3⅜c. to 3½c.; No. 3, 3¼c. to 3⅜c.

FUEL OILS.—32-36, dark, industrial gas oil, 2⅞c. to 3c. per gallon; No. 4, $1.07½ to $1.10 per barrel; No. 5, 87½c. to 90c.; No. 6, 80c. to 85c.

New Orleans, May 25.—Firmness was the keynote of the domestic market during the past week, with no change in quoted prices. Exports were good. U. S. motor gasoline was quoted at 6⅝c.; below 62 octane, 6⅜c.; 63-67 octane, 7c.; and 68-70 octane, 7⅜c, basis refinery.

Kerosene remained unchanged at 7½c. per gallon at refinery.

Good demand was experienced on bunker C fuel oil at $1.05 per barrel at terminal and $1.10 per barrel delivered alongside. This grade was also in good demand on the part of industrial plants in this vicinity at a quoted price of $1.46 per barrel, delivered.

Standard Oil of N. J. Income Increased 55 Percent in 1936

The Standard Oil Company of New Jersey reports for 1936 net income of $97,774,583, or $3.73 per share, compared with $62,863,192, or $2.43 a share for the preceding year. Gross operating income was $1,162,121,244, against $1,076,215,248 for 1935. Earnings other than those derived from petroleum were $12,962,000. The combined parts of the organization sold 304,000,000 barrels of oil, of which the Standard of New Jersey's net share was 278,000,000 barrels. Gross production was 206,356,032 barrels, a gain of 6.64 percent. The daily average was 563,816 barrels.

International Nickel Income Up

The International Nickel Company of Canada reports for the first quarter of 1937 net profit of $11,714,956, equal to 77 cents a share on the common stock, after prefered dividends. This compares with net profit of $9,836,446, equal to 64 cents, for the last quarter of 1936, and with $8,386,787 or 54 cents per share for the first quarter of 1936.

Nobel's Explosives Reopens

Nobel's Explosive Works, Linlithgow, Scotland, closed a year ago, has just been reopened. The company, a subsidiary of the Imperial Chemical Industries, will employ 600 men. New machinery has been installed and additional plant and new premises have also been erected on a neighboring site. The reconstruction work has cost £15,000.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

One-hundred-seventy-eighth Instalment

Mothproofing

Substances Used as Repellants of Clothes Moths

Continued from May 24 issue)

1-Naphthol-5:7-disulphonic acid salt of benzyltriphenylphosphonium
1-Naphthylamine-3:6:8-trisulphonic acid
Naphthyltriethylphosphonium chloride
Naphthyltriethylphosphonium iodide
Nicotine fluosilicate
Nitrobenzenesulphonic acids
2-Nitrobenzenesulphomethylamide
2-Nitrobenzenesulphomethylamide with diethylbutyl glycolphosphate
Nitrobenzyltriphenylphosphonium chloride
Nitronaphthalene with phenol
Nitrophenylmethylpyrazolone chloride
2:3'-Normal butoxy-3:5:2':4':6'-pentachlorotriphenylmethane-4"-sulphonic acid
Normal butyl-3:4-dichlorobenzenesulphonamide
Normal butylamine selenate
Normal chlorocarbonimidic esters
Normal (2:4-dichlorophenylsulphonyl)metaphenylenediamine
Normal (3:4-dichlorophenylsulphonyl)oleamide
Normal methyl-2-nitrobenzenesulphonamide
Normal (2:4:5-trichlorophenylsulphonyl)-N'-(3-amino-4-chlorophenylsulphonyl)metaphenylenediamine
Normal (2:4:5-trichlorophenylsulphonyl)-N'-(3:5-dichlor-2-hydroxyphenylsulphonyl)metaphenylenediamine
Normal (2:4:5-trichlorophenylsulphonyl)-N'-(3:4-dichlorophenylsulphonyl)metaphenylenediamine
Normal-N'-bis (4-bromophenylsulphonyl)metaphenylenediamine
Normal-N'-bis (5-chlor-2-hydroxyphenylsulphonyl)benzidin
Normal-N'-bis (5-chlor-2-hydroxyphenylsulphonyl)ethylenediamine
Normal-N'-bis (4-chlorophenylsulphonyl)metaphenylenediamine
Normal-N'-bis (3:5-dichlor-4-hydroxyphenylsulphonyl)metaphenylenediamine
Normal-N'-bis (2:5-dichlorophenylsulphonyl) benzidin
Normal-N'-bis (3:4-dichlorophenylsulphonyl)-3:3'-benzidindisulphonic acid
Normal-N'-bis (3:4-dichlorophenylsulphonyl)-4-chlorometaphenylenediamine
Normal-N'-bis (2-dichlorophenylsulphonyl)-ethylenediamine
Normal-N'-bis (2:4-dichlorophenylsulphonyl)-metaphenylenediamine
Normal-N'-bis (2:5-dichlorophenylsulphonyl)-metaphenylenediamine
Normal-N'-bis (3:4-dichlorophenylsulphonyl)-2:7-naphthalenediamine
Normal-N'-bis (3:4-dichlorophenylsulphonyl)-orthophenylenediamine
Normal-N'-bis (3:4-dichlorophenylsulphonyl)-paraphenylenediamine
Normal-N'-bis (2:5-dichlorophenylsulphonyl)-2:4-tolylenediamine
Normal-N'-bis (parachlorophenylsulphonyl-2-parachlorophenylsulphonamideparaphenylenediamine
Normal-N'-N"-tris (parachlorophenylsulphonyl)-3-aminobenzidin
Normal-N-N'-bis (2:4:5-trichlorophenylsulphonyl)metaphenylenediamine
Oleic acid, sulphonated
Oleic acid salts of—
(1) Alphamethylalphagammadiphenylguanidin
(2) Asymmetrical diphenylguanidin
(3) Dialphaguanidin
(4) Dibenzylguanidin
(5) Diorthotolylguanidin
(6) Diparamethylanilinguanidin
(7) Diparatolylguanidin
(8) Diphenylguanidin
(9) Xylylguanidin
Olive oil, sulphonated
Organic acids
Orthobenzylphenoxytriphenylphosphonium hydroxide
2-Orthochlorobenzyl-4-chlorophenol
Orthochlorobenzyltriphenylphosphonium chloride
Orthochlorophenoxytriphenylphosphonium hydroxide
Orthocresol
Orthocresol-3:5-bis(4'-chlorosulphonanilide)
Orthodichlorobenzene
Orthoethoxyphenoxytriphenylphosphonium hydroxide
Orthohydroxycarboxylic acids
Orthohydroxysalicylic acid, halogenated
Orthophenylbenzyl ketone
Orthosulphotriphenylmethane
Orthotolyloxytriphenylphosphonium hydroxide
Oxy-2-benzoic acid
1-Oxy-4-methyl-2-benzoic acid
Palmityl ester salt of sulphophthalic acid
Paper (wrapping article tightly in)
Para-amidobenzenecarboxylic acid derivatives
Para-amidobenzenesulphonic acid derivatives
(Parabenzylphenoxy)triphenylphosphonium hydroxide
Parabismuth-tritolyl
Parachlorobenzyltriphenylphosphonium chloride
(Parachlorophenoxy)triphenylphosphonium hydroxide
Parachlorophenyl ester salt of sulphophthalic acid
Paracresol-3:5-bis-(4-chlorosulphonanilide)
Paradichlorobenzene
Paradichlorobenzene in alcohol
Paradichlorobenzene plus cedarleaf oil odor mask
Paradichlorobenzene plus cedarwood oil odor mask
Paradichlorobenzene plus eucalyptus oil odor mask
Paradichlorobenzene plus pine oil odor mask
Paradichlorobenzene plus pineneedle oil odor mask
Paradichlorobenzene with paranitrochlorobenzene
Paranitrobenzyltriphenylphosphonium chloride
Paranitrochlorobenzene
(Paranitrophenoxy)triphenylphosphonium hydroxide
Paraphenetidin (Paratoloxy)triphenylphosphonium hydroxide
Paratoluenesulphodichloroamide
Paratritolylstibin
Paraxylene-bis-triphenylphosphonium bromide
Patchouli oil in alcohol
2:4:6:3':5'-Pentachlor-3:2'-dihydroxy-3"-nitrophenylmethane
2:4:6:3':5'-Pentachlor-3:2'-dihydroxy-4"-nitrotriphenylmethane
Pentachlorodihydroxysulphotriphenylmethane
2:4:6:3':5'-Pentachlor-3:2'-dihydroxy-4"-sulphotriphenylmethane
3:5:6:3':5'-Pentachlor-2:2'-dihydroxy-2"-sulphotriphenylmethane
3:3':5':4"-Pentachlor-6:6'-Dimethoxytriphenylmethane-2"-sulphonic acid
3:5:3':5':5"-Pentachlor-6:6'-Dimethoxytriphenylmethane-2"-sulphonic acid
Pentachlorohydroxydiphenylmethane
Pentachlorohydroxysulphodiphenylmethane
Pentamethylene-bis-triphenylphosphonium bromide
Pepper, black, powdered
Perchloroethylene
Perchlorophenol
Phenol esters
Phenolorthocarboxylic acid, halogenated
Phenolparasulphonic acid
Phenolphthalein
Phenolsulphonic acids
Phenoxytriorthotolylphosphonium hydroxide
Phenoxytriphenylphosphonium hydroxide
Phenylacetic acid in benzene
Phenylarsenic acid
Phenyldiaryl substituted guanidin
Phenylhydrazide of dichlorophthalic acid
Phenylmethylhydrazonebenzylidenesulphonic acid
Phenylvalerylthiourea, as symmetrical
Phosphomolybdic acid
Phosphonium compounds in alcohol
Phosphoric acid aryl esters in carbon tetrachloride
Phosphoric acid esters
Phosphotungstic acid
Phthalic acid
Phthalic acid bromide
Phthalic acid phenylhydrazide
Phthalic acid phenylmethylhydrazone
Pineneedle oil
Piperidin alkaloidal derivatives
Piperidine fluosilicate
Polybromonaphthol
Polychlorinated naphthalene
Polychlorinated naphthalene in kerosene
Potassium arsenate
Potassium borofluoroacetate
Potassium chlorobetasulphonate
Potassium chlorodisulphonate
Potassium chlor-2-naphthalenebetadisulphonate

(To be continued)

Fertilizer Materials

Sulphate of Ammonia Prices Issued for Next Season—New Type Schedule Shows Rise Over Current Season's Initial Prices —Cyanamide, Urea-Liquor Up

Sulphate of ammonia suppliers issued prices for next season last Wednesday. A new type of schedule, which bore some resemblance to the current method of potash pricing, should make for a more even distribution of sulphate buying over the year and at the same time give the early buyers a little better edge. The base price—or to be more accurate—the lowest available price in the new schedule represented an advance of $1.50 per ton over the current season's early price established last August; in some delivery sections the price figured cheaper than the prices that have been in force during the latter part of the current season. The new sulphate season will be a thirteen month season, extending through June, 1938, and contracts were offered for three different positions, one for eleven to thirteen months, another for six to ten months and a third for one to five months. In each case the contracts stipulate equal monthly tonnage shipments.

Urea-ammonia liquor contracts were offered for delivery from July through June, 1938, at a unit price that represented an advance over this season's contract price but a reduction from the spot figure that prevailed over most of the season.

It was indicated that no prices for Chilean nitrate would appear until after the end of the current season June 30, but it will be remembered that when prices on soda were announced at the beginning of the current season, the domestic suppliers altered previous custom and issued the prices in advance of the Chilean schedule.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Ammonia, sulphate (new season contracts), $1.50 per ton.
Bone, steamed, import, 1¼ & 65, 50c. per ton.
Urea-ammonia liquor (new season contracts), 4c. per unit.

Reduced

Blood, dom., Chicago, 20c. per unit.
New York, 10c. per unit.
import, July shipt., 10c. per unit.
Calcium phosphate, dibasic, precip., import, 2c. per unit.
Fish scrap, dom., Chesapeake menhaden, 25c. per unit-ton.
Japanese sardine, $1 per ton.
Tankage, dom., Chicago, fert. grade, 10c. per unit-ton.
New York, all grades, 15c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
64.0	64.0	64.0	59.1

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The sellers did not follow the lead of the sulphate of ammonia suppliers in naming prices for next season. The nitrate people were offering up to the end of this season only. The suppliers of Chilean material do not intend to name forward prices until after the completion of this season, June 30. When prices for the current season were named last August, it will be remembered that the domestic sellers broke precedent and issued prices in advance of the Chilean schedule; whether or not the same order will continue for the coming season remained to be seen.

Sulphate of Ammonia.—Prices for the new season were named Wednesday. The new schedule is entirely different from the previous sulphate schedule and in some sections averaged higher than the prices in force during the latter part of this season while in other sections they figured lower. Basically, the schedule is an advance over the contract schedule for the current season. The schedule was as follows:—For spot or non-contract buyers, or for contracts for shipment from one to five months—with a monthly tonnage to be specified—$28.50 per ton for June-October shipment; $29 per ton for November-December shipment; and $29.50 per ton for January-June shipment. For contracts covering equal monthly shipment during any six to ten months of the season, $1 per ton less than the aforementioned prices. For contracts covering equal monthly shipment during any eleven to thirteen months, $2 per ton less than the aforementioned prices. All quotations were f.o.b. ports or ovens except for Illinois, Indiana, Ohio, Michigan, Wisconsin and Ohio river destinations in Kentucky which are delivered, and the season extends from June, 1937, through June, 1938. Prices were for material in bulk and 200-pound bags were $1.30 per ton extra, and, 100's were $2 per ton extra. April production of ammonia in terms of its sulphate equivalent from by-product coke operations during that month was 69,820 tons, a decline of 2.5 percent from the March total of 71,592 tons. April, 1936, production was 55,212 tons. The production for the first four months of this year totaled 274,971 tons against 208,980 tons in the same month of last year, according to the Bureau of Mines figures.

Cyanamide.—Forward prices were understood to have been in preparation as this report was sent to press. Details, if available for this issue, will be found in the late market summary on page 4.

Nitrogen Solution.—Up to the time of this writing there has been nothing offered for the coming season.

Urea-Ammonia Liquor.—Contract offerings for the coming season were made late Friday. The price is $1 per NH_3 unit, f.o.b. Belle, W. Va., and/or Atlantic and Gulf ports. The contract period covers from July through June, 1938. This represents a decrease of 4c. from the spot price that prevailed through most of the current season but is 4c. higher than the contract price of this season.

Dried Blood.—The market continued to sag. Imported material sold as low as $3.60 per unit for June-July shipment, but at the time of this writing importers asked $3.70 per unit, the price that was asked a week ago. The Chicago market was off to $3.50 per unit, a decline of 20c. from a week ago. A sale in New York was registered at $3.50 per unit, a decline of 10c. from the selling price of the preceding week.

Fish Scrap.—A sale of 400 tons of menhaden futures was reported to have been made last week at $4 and 10c. per unit-ton, which would represent a decline of 25c. The Chesapeake fleet was prepared to commence operations this week. Japanese sardine meal was cheaper with $51 per ton quoted for shipment from abroad, basis c.i.f., and $55 per ton named for nearby arrival, both positions off $1 per ton from a week ago.

Nitrogenous Material.—There were no new developments in the market last week. The foreign article was very quiet and the prices for that product were purely nominal. Latest quotations at East Coast producing points were $3.40 to $3.50 per unit, f.o.b. producing point, while the Western market ranged from $3.15 to $3.25 per unit.

Tankage.—Prices continued to move downward. Unground material in New York was sold at $3.50 and 10c. per unit-ton, a decline of 15c. per unit-ton; ground material here was quoted at $3.60 and 10c. per unit-ton, a reduction of 15c. per unit-ton, with little material offering. Fertilizer grade in Chicago was quoted at $3.40 and 10c. per unit-ton, while feeding grade there remained at $3.50 and 10c. per unit-ton. South American material sold at $3.80 and 10c. per unit-ton for July shipment, basis c.i.f.

Potashes

The producers of muriate in California and the remaining supplier of muriate and manure salts in New Mexico followed the price action of the importers and another New Mexico producer, as expected, May 22. The prices were 53½c. per unit for muriate and 58½c. per unit for manure salts. The discount scale of 12 percent and 5 percent was similar to the discount schedule previously named by other sellers. In substance, the discount schedule of producers is as follows:—Orders with specifications placed prior to July 1, 1937, for delivery at the buyer's plant in equal monthly tonnages from July 1, 1937, to January 31, 1938, 12 percent discount; orders with specifications placed from July 1, 1937, up to and including September 30, for delivery at buyer's plant in equal monthly tonnages from October 1, 1937, to January 31, 1938, 5 percent discount. After October 1, prices are at list.

Phosphates

Although the demands for superphosphate have undergone some moderation during the past few weeks, the market situation was still tight, particularly in the Baltimore area and more northerly points. As reported previously, the long range view for super looks tight and at some points the buyers who were not already under contracts would likely have to pay premium prices for spot supplies.

Bone Materials.—Imported 1¼ and 60 percent steamed bone was stronger last week at $24.50 per ton, compared with offering prices of $24 per ton a week ago. Imported precipitated dicalcium phosphate continued to slide off after its sharp rise of a fortnight ago and there were offerings for shipment around the market last week at 76c. per unit, a reduction of 2c. per unit from the asked price a week ago.

Superphosphate.—The Baltimore market was very tight with $8 per ton quoted for the run of the pile and $8.50 per ton named for guaranteed 16 percent material. The Department of Commerce report for March showed production of bulk at 427,980 tons, the highest monthly total in recent years, which compared with 371,882 tons in February and 257,728 tons in March last year. End of month stocks were 893,294 tons of bulk, which compared with 1,075,640 tons at the end of February and 953,739 tons at the end of March last year; stocks of base and mixed goods were 774,020 tons at the end of March against 1,002,810 tons at the end of February and 694,202 tons at the end of March last year.

Sulphur and Pyrites

The regular session of the Texas Legislature expired May 22, but a special session was called last week. There was no further action on the sulphur tax measure in that state.

Domestic sulphur shipments continued fairly heavy, although the business with the acidulators for the fertilizer trade was light just now. The paper industry's activity was most noticeable at this time. Prices continued in an unchanged position at the long-standing figure of $18 per long ton, f.o.b. mines.

Markets at Other Centers

Atlanta, May 26.—Interest in top dressings for cotton was the only matter of

NV
TRADE MARK REGISTERED
SULPHATE of POTASH
90 — 95% K_2SO_4
Min. 95% K_2SO_4
Min. 96% K_2SO_4
—NV—
DOUBLE REFINED
SULPHATE of POTASH
—NV—
MURIATE of POTASH
Min. 99% KCl
—NV—
DOUBLE REFINED
MURIATE of POTASH
POTASH PAYS ON ALL CROPS
N. V. POTASH EXPORT MY. Inc.
19 West 44th St., New York
Telephone: Vanderbilt 3-4588

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O, ALSO 50% K_2O
MANURE SALTS
APPROXIMATELY 30% K_2O
UNITED STATES POTASH COMPANY, INC.
30 Rockefeller Plaza, New York, N. Y.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
114 E. 32nd St., New York
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALISTS IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

HOOVER, GEO. W., M.S., M.D.
Consultant
Formerly Chief Drug Control U. S. Department of Agriculture
Broad Experience With
Drugs, Medicines, Foods, Label Advertising and Formula Requirements, Insecticides, Cosmetics, and Toilet Articles
and with
Advertising Subject to Law Enforced by Federal Trade Commission
Shoreham Building Telephone DIstrict 1169 Washington, D. C.

Charles H. LaWall Joseph W. E. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

Pease Laboratories, Inc.
CHEMISTS SANITARIANS BACTERIOLOGISTS
ANALYSTS SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Protect Your Ideas By PATENTS
Call or send me a sketch or simple model
WHAT IS YOUR INVENTION?
Z. H. Polachek
1234 BROADWAY NEW YORK
PATENT ATTORNEY ENGINEER
CONFIDENTIAL ADVICE
Register Your TRADE MARKS
U.S. Pat. Off. records searched
ANY invention or Trade Mark
FREE { CONSULTATION / LITERATURE
Phone LOngacre 5-3068

Est. 1865
W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone Hanover 2-3772
128 Water Street New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
216 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research

Michael J. Carpinello, Inc.
OFFICIAL and LICENSED SAMPLERS, WEIGHERS, and INSPECTORS
Members N. Y. Produce Exchange, Oil Trades Association of N. Y.
Official Weighers, Inspectors and Samplers for the N. Y. Produce Exchange, the National Cottonseed Products Assn., the N. Y. Cocoa Exchange, Inc.
2 Broadway, New York Tel. BO. 9-0418

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-979 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5260/5261
254 West 31st Street New York

DRAWBACK SPECIALISTS
We specialize in the collection of drawback refunds of duty or tax paid on materials used in the manufacture of products for export.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.
American Gum Importers Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulae Perfected. Problems Solved. Plants Equipped.
433 Stuyvesant Ave. Irvington, N. J.
Phone ES. 2-8433
E. M. Laning, B. Sc., President.
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
Consultation on Formulation and Processing of Paints, Varnishes and Shellacs.
128 Water Street HA. 2-9069

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting Analytical and Research
647 W. Virginia Street, Milwaukee, Wis

Pacific Food & Drug Laboratories, Inc.
Specializing in
VITAMIN ASSAYS
and development work
Pacific Beach, California

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N. Y.
Murray Hill 2-0007

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone Ashland 4-4343.
16 East 34th St. New York City

Snell, Inc., Foster D.
Chemists—Engineers
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.
215 N. Calvert St. Baltimore, Md.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road Montclair, N. J.
Telephone 2-4516

Weiss and Downs, Inc.
Chemical Engineers
50 East 41st Street
New York City

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing on analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

concern in Southern fertilizer circles at present. The opinion prevailed that the demand for top dressings will be greater this year than last, not only because of an increase in acreage, but because of the lateness of the crop. While most of the top dressing demand is for inorganic nitrogen, a growing interest in applications of potash for rust prevention will probably develop a larger demand for this item.

Harvesting of greater than usual acreage of small grain in the South will be followed by the planting of a second crop on the same land. Most of the second crops, however, are not fertilized, but a comparatively small demand for mixed fertilizers is to be expected.

Quotations or a rather nominal market are as follows:—

SUPERPHOSPHATE.—$11.30 ton, interior producing points.

NITRATE OF SODA.—$25.50 ton, port basis.

COTTONSEED MEAL.—7 percent grade, $41 ton, interior mills.

NITROGENOUS.—$3.15 per unit, midwest.

TANKAGE.—$3.50 to $3.75 and 10c. per unit ton, Chicago.

BLOOD.—Imported, $3.70 per unit; Chicago $3.70 to $3.75.

BONE.—4½ and 50, port basis, $34.50 to $36; Chicago $23 to $24 ton.

FISH.—Acid scrap; port basis, $3.45 and 50c. per unit.

Baltimore, May 26.—Quiet continued to characterize the business in crude fertilizer materials, with the manufacturers of mixtures occupied for the present in finishing out the shipping season. The current quotations are as follows:—

FISH SCRAP.—The Florida catch has shown some improvement during the last week, but still remains behind the results achieved in the corresponding period of 1936. The fleet on the lower Chesapeake Bay is expected to go out next week, a fortnight ahead of the usual time, but whether it will remain at work or halt depends upon the catches made. Japanese sardine meal rules at $56 to $58 a ton for spot, with June and July shipments to arrive in August-September at $53 per ton, and with difficulty experienced in arranging for shipments to specified ports.

TANKAGE.—Quotations on feeding material were $3.50 and 10c. to $3.60 and 10c. per unit-ton, while fertilizer grades were $3.40 and 10c. per unit-ton.

BLOOD.—This product remained around $3.90 to $4.10 per unit.

BONE.—Prices for 4½ and 50 ground raw held at $36 per ton, and with 3 and 50 steamed supplies at $27 per ton, while 1 and 60 ranges around $24 per ton.

Chicago, May 27.—The general fertilizer market has been quiet, with few features noted here, for some days. Mostly the price structure reflects little or no change from that in effect previously. Blood was quoted on a basis making a good comparison with that earlier noted. Buyers were still showing the effect of continuous use of caution in placing orders. Tankage was quiet and available at prices about steady with earlier ones. Bone materials have been moving out in routine fashion, with no special change reported.

BLOOD.—Principal grade, $3.75 to $4 per unit of ammonia.

TANKAGE.—High grade, $3.75 to $4 and 10c.; low grade, $22 to $23; liquid stick, $2.45 to $2.55; hoof meal, $3.60 to $3.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $21 to $22; 3 and 50 percent, $23 to $24; 4½ and 50 percent, $28 to $30; grinding hoofs, Pigs' toes and waste horn materials, $24 to $26; junk and hotel kitchen bones, $24 to $27; cattle jaws, skulls and knuckles, $33 to $35; pork cracklings, soft pressed, $55 to $65; beef cracklings, soft pressed, $50 to $60; hard pressed cracklings, per unit of protein, 75c. to 80c.

(Continued on page 70)

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

This year recommend a mix
with a higher percentage of
Red Muriate
50% and 60% Grades • Manure Salts
POTASH COMPANY
of America
MERCANTILE TRUST BLDG., BALTIMORE, MD.
SOUTHERN SALES OFFICE: ATLANTA, GA.
MORTGAGE GUARANTEE BLDG.

Shipping Information

All matter under this head fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, COTTONSEED OIL—59 bbls, Volendam, Rotterdam
CRESYLIC—50 dms, 11 tons, 10 cwt, 3 qtrs, Crowley Tar Prod Co, Scythia, Liverpool
100 dms, Caledonia, Glasgow
LINSEED OIL—1 bbl, Black Eagle, Rotterdam
PHOSPHORIC—1 bbl, Roepke & Otto, American Merchant, London
SOYBEAN OIL—112 bbls, Black Eagle, Rotterdam
373 dms, Wessel, Duval & Co, Deutschland, Hamburg
STEARIC—12 cs, Orbis, Product Corp, Scythia, Liverpool
77 bgs, Binney & Smith Co, Volendam, Rotterdam
100 bgs, Mitsui & Co, Asosan, Kobe
AGAR AGAR—45 bls, 50 cs, Mitsui & Co, Asosan, Kobe
20 bls, Habicht, Braun & Co, Shunten, Yokohama
ALBUMEN, BLOOD—8 cks, 4,059 lbs, Morningstar-Nicol, Deutschland, Hamburg
EGG, HEN—56 cs, Chase Natl Bank, Kwansai, Kobe
ALOE—50 cs, R Desvernine, Cottica, Curacao
AMMONIA, SULPHATE—250 bgs, Synthetic Nitrogen Product Corp, Stavangerfjord, Berlin
1,100 bgs, Bradley & Baker, Volendam, Rotterdam
AMMONIAC SAL—50 cs, 3 tons, 2 qtrs, 24 lbs, Solvay Sales Corp, Scythia, Liverpool
ANISE—35 bgs, J L Hopkins & Co, President Adams, Marseilles
ANNATTO SEED—50 bgs, President Adams, Vizagapatam
100 bgs, President Adams, Coconada
ANTIMONY, ORE—198 bgs, Associated Metals & Mineral Corp, Agwistar, Tampico
OXIDE—100 bgs, Wah Chang Trading Corp, Kwansai, Hankow
REGULUS—650 cs, Harshaw Chem Co, Lossiebank, Shanghai
100 cs, Pope Trading Corp, Lossiebank, Shanghai
100 cs, Wah Chang Trading Corp, Kwansai, Shanghai
248 cs, Central Hanover Bank, Kwansai, Hankow
ARECA NUTS—150 bgs, American Express Co, Kota Pinang, Padang
ARROWROOT—800 bbls, Morningstar Nicol, Nerissa, St Vincent
ARTISTS MATERIAL—2 cs, Windsor & Newton, Kwansai, Yokohama
6 cs, Gallagher & Asche, Statendam, Rotterdam
ASBESTOS—2,000 bgs, Exchange, Limassol
2,092 bgs, Johns Manville Corp, Robin Goodfellow, Capetown
ASPHALT—1 car, A V Berner & Co, Seatrain New York, Havana
320 bgs, A V Berner & Co, Seatrain Havana, Havana
250 bgs, A V Berner & Co, Yucatan, Havana
BABASSU KERNELS—616 bgs, Central Hanover Bank, Dunstan, Parnahyba
1,666 bgs, General Food Corp, Dunstan, Parnahyba
BONE ASH—25 cks, 3 tons, 19 cwt, C B Chrystal & Co, Scythia, Liverpool
BORON FLUORIDE—17 cyls, 4,030 lbs, Standard Oil Co, Black Eagle, Rotterdam
BRISTLES—1 cs, F H Cone & Co, Ward, Hankow
38 cs, 3 cks, American Merchant, London
100 cs, Mitsui & Co, Kwansai, Hankow
10 cs, Chase National Bank, Kwansai, Hankow
12 cs, F H Cone & Co, Kwansai, Kobe
15 cs, Dodwell & Co, Kwansai, Kobe
11 cs, National City Bank, Kwansai, Kobe
5 cs, F H Cone & Co, Kwansai, Kobe
6 cs, F W Von Stade, Asosan, Kobe
10 cs, Chestnut, Cooper & Co, Queen Mary, Southampton
8 bbls, M Broverman & Son, Statendam, Rotterdam
5 bbls, Public National Bank, Statendam, Rotterdam
8 cs, Chase National Bank, Statendam, Rotterdam
BUCHU LEAVES—5 bls, R J Prentiss & Co, Queen Marv, Southampton
CADMIUM — 148 cs, Metal Traders, Inc, Stavangerfjord, Alesund
METAL—60 cs, Westernland, Antwerp
CALCIUM TARTRATE — 120 bgs, National Bank of Greece, Exchange, Piraeus
200 bgs, Banque Di Laconie, Exchange, Piraeus
344 bgs, Harshaw Chemical Co, Exchange, Piraeus
CAMPHOR, REFINED—100 cs, Mitsui & Co, Asosan, Kobe
CANARY SEED—500 bgs, Balfour, Guthrie & Co, East Indian, Buenos Aires
1,945 bgs, Bunge North American Grain Co, East Indian, Buenos Aires
CARAWAY SEED—100 bgs, 11,000 lbs, M Witsenburg, Volendam, Rotterdam
300 bgs, 33,000 lbs, R L Friedler, Statendam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Statendam, Rotterdam
CARDAMOM — 20 cs, P Sexias, President Adams, Tuticorin
CASSIA — 354 bls, Sino Java Handel, Lossiebank, Batavia
400 bls, Durkee Famous Foods, Asosan, Hongkong
100 bls, Knickerbocker Mills Co, Asosan, Hongkong
35 bls, Wood & Selick, Asosan, Hongkong
500 bls, R T French Co, Asosan, Hongkong
331 pkgs, H P Winter & Co, Kota Pinang, Padang
VERA—80 pkgs, J F Frank, Lossiebank, Padang
CASTOR BEANS—1,670 bgs, Spencer Kellogg & Sons, Dunstan, Maceio
1,700 bgs, Baker Castor Oil Co, Dunstan, Bahia
1,710 bgs, Spencer Kellogg & Sons, Dunstan, Bahia
2,520 bgs, Wessel, Duval & Co, Dunstan, Bahia
CELERY SEED—160 bgs, President Adams, Marseilles
CHALK — 200 bgs, 22,000 lbs, Deutschland, Hamburg
BLOCK — 2,850 tons, Taintor Trading Co, Spurt, London
CRAYON—10 cs, Devoe & Reynolds, President Harding, Hamburg
PRECIPITATED — 125 bgs, 9 tons, 9 cwt, 2 qtrs, 26 lbs, H J Baker & Bros, Scythia, Liverpool
CHAMOIS—4 cs, American Sponge & Chamois Co, President Harding, Havre
1 cs, W L Haig, Washington, Southampton
CHAMOMILE FLOWERS — 10 cs, 2,794 lbs, Deutschland, Hamburg
CHEMICALS — 190 cks, African Metals Corp, Henri Jaspar, Antwerp
50 crgys, 1,016 bgs, Advance Solvents & Chem Co, Deutschland, Hamburg
20 crbys, 2 dms, 42 cks, Deutschland, Hamburg
485 bgs, Sherka Chem Co, Deutschland, Hamburg
4 cs, Bijk, Inc, Deutschland, Hamburg
40 bbls, 20 cks, 5 cs, Hummel Chem Co, Deutschland, Hamburg
460 cs, 20 cks, American Cyanamid & Chem Co, Deutschland, Hamburg
8 dms, Jungmann & Co, Deutschland, Hamburg
3 cs, 1 dm, Schimmel & Co, Deutschland, Hamburg
10 bbls, 4 cs, 1 dm, Deutschland, Hamburg
10 cks, 2 tins, Advance Solvents & Chem Co, Volendam, Rotterdam
25 bbls, Hummel Chem Co, Volendam, Rotterdam
38 dms, General Aniline Works, Volendam, Rotterdam
14 dms, Volendam, Rotterdam
2 dms, Hummel Chem Co, Volendam, Rotterdam
3 cks, C Sievers, Volendam, Rotterdam
1 ck, Merck & Co, Lafayette, Havre
11 bbls, Lowenstein & Co, Lafayette, Havre
12 pkgs, Ciba Co, Lafayette, Havre
150 bgs, Schofield-Donald Co, Caledonia, Glasgow
2,711 bgs, Berlin, Bremen
102 cks, 102 bgs, E M Sergeant Pulp & Chem Co, Berlin, Bremen
70 cs, Bergstrom Trading Co, Gripsholm, Gothenburg
2 kegs, 5 dms, Kwansai, Osaka
37 dms, Advance Solvent & Chem Co, Westernland, Antwerp
200 cks, Westernland, Antwerp
25 bbls, Hummel Chem Co, Statendam, Rotterdam
25 cks, Advance Solvent & Chem Co, Statendam, Rotterdam
50 cks, American Cyanamid & Chem Co, Statendam, Rotterdam
12 cks, 6 cs, Statendam, Rotterdam
3 jugs, General Dyestuff Corp, Statendam, Rotterdam
CINCHONA BARK—426 bls, New York Quinine & Chem Works, Volendam, Rotterdam
PRODUCTS—12 cs, R W Greeff & Co, Volendam, Rotterdam
CLAY—600 bgs, W Manley, Deutschland, Hamburg
1,050 bgs, W Manley, President Harding, Hamburg
133 cks, Milton Greenbaum, Volendam, Rotterdam
97 cks, J Dixon Crucible Co, Statendam, Rotterdam
BLUE—91 cks Milton Greenbaum, Black Eagle, Rotterdam
BURNT—500 cks, Guy G Foster, Scythia, Liverpool
CLOVER TOPS, RED—14 bgs, J L Hopkins & Co, Deutschland, Hamburg
CLOVES—546 bls, Norwegian American Line, Stavangerfjord, Oslo
3,000 bls, Silverash, Batavia
466 bls, Silverash, Tamatave
COALTAR DERIVATIVE—38 dms, General Aniline Works, Volendam, Rotterdam
6 cks, General Aniline Works, Statendam, Rotterdam
INTERMEDIATES—4 cs, General Dyestuff Corp, Deutschland, Hamburg
193 cks, General Aniline Works, Volendam, Rotterdam
74 dms, 2 cs, 48 cks, 4 jugs, General Dyestuff Corp, Volendam, Rotterdam
46 cks, General Aniline Works, Statendam, Rotterdam
24 cks, 62 dms, General Dyestuff Corp, Statendam, Rotterdam
COBALT OXIDE, BLACK—115 bbls, Central Trading Corp, Scanstates, Helsingfors
70 cks, Central Trading Corp, Ilsenstein, Antwerp
COCA LEAVES—198 cs, Merck & Co, Kota Ping, Batavia
COCOA BEANS—104 bgs, Schutte & Focke, Martinique, Jeremie
25 bgs, Struller & Wood, Martinique, Jeremie
151 bgs, Transmarine Merc Corp, Martinique, Cape Haitien
2 bgs, Wessel, Duval & Co, Pastores, Cristobal
670 bgs, Fruit Dispatch Co, Quirigua, Cristobal
700 bgs, Nerissa, Trinidad
812 bgs, Wessel, Duval & Co, Smaragd, Cristobal
883 bgs, Fruit Dispatch Co, Smaragd, Cristobal
255 bgs, Lossiebank, Colombo
32 bgs, Daggett Chocolate Co, Manuela, San Juan
1,550 bgs, Curacao Trading Co, Cottica, La Guayra
6 bgs, R Perez, Cottica, La Guayra
2,070 bgs, Curacao Trading Co, Flora, Curacao
250 bgs, Flora, Porto Cabello
100 bgs, Otto Gerdau Co, Ancon, Cristobal
506 bgs, Ancon, Cristobal
1,733 bgs, Wessel, Kulenkamp & Co, Almena, Trujillo
89 bgs, Almena, Trujillo
250 bgs, Wessel, Kulenkamp & Co, Almena, La Romana
1,500 bgs, Curacao Trading Co, Almena, Sanchez
1,400 bgs, Machado & Co, Almena, Sanchez
250 bgs, Schutte & Focke, Almena, Sanchez
500 bgs, Wessel, Kulenkamp & Co, Almena, Sanchez
700 bgs, Gillespie & Co, Almena, Puerto Plata
700 bgs, Curacao Trading Co, Almena, Puerto Plata
1,117 bgs, Porcella, Vicini & Co, Almena, Puerto Plata
250 bgs, Wessel, Kulenkamp & Co, Almena, Puerto Plata
250 bgs, Machado & Co, Almena, Puerto Plata
500 bgs, Carr Bros, Almena, Puerto Plata
600 bgs, Statendam, Rotterdam
COCONUTS—200 bgs, 20,000 lbs, Universal Import & Export Co, Atlantida, La Ceiba
200 bgs, 20,000 lbs, G W Cole & Co, Pastores, Kingston
50 bgs, 5,000 lbs, West Indies Product Corp, Pastores, Kingston
250 bgs, 25,000 lbs, I L Toledano Corp, Pastores, Kingston
COCONUTS—900 bgs, 90,000 lbs, Durkee Famous Foods, Pastores, Kingston
200 bgs, 20,000 lbs, Universal Import & Export Co, Pastores, Kingston
200 bgs, 20,000 lbs, J A Manton, Pastores, Kingston
2,581 bgs, 258,100 lbs, General Foods Corp, Pastores, Kingston
1,319 bgs, 131,900 lbs, Durkee Famous Foods, Nerissa, Trinidad
639 bgs, 63,900 lbs, Durkee Famous Foods, Nerissa, St Vincent
70 bgs, 7,000 lbs, E Trucco, Manuela, Mayaguez
45 bgs, 4,500 lbs, A J Trucco, Manuela, Mayaguez
12 bgs, 1,200 lbs, J Simon & Co, Manuela, Mayaguez
1,068 bgs, 106,800 lbs, General Foods Corp, Manuela, Mayaguez
1,569 bgs, 156,900 lbs, General Foods Corp, Manuela, San Juan
97 bgs, 9,700 lbs, Universal Import & Export Co, Manuela, San Juan
71 bgs, 7,100 lbs, J Simon & Co, Manuela, San Juan
114 bgs, 11,400 lbs, I L Toledano Corp, Manuela, San Juan
79 bgs, 7,900 lbs, Manuela, San Juan
700 bgs, 700,000 lbs, General Foods Corp, Ancon, Cristobal
1,500 bgs, 150,000 lbs, I L Toledano Corp, Ancon, Cristobal
COCONUT, DESIC—887 cs, Balfour, Guthrie & Co, Ward, Manila
100 cs, J H Vavasseur & Co, President Adams, Colombo
400 cs, Dodwell & Co, President Adams, Manila
300 cs, Dodwell & Co, Ferngien, Manila
CODLIVER OIL, STEARIN—58 cks, Stavangerfjord, Aalesund
COLOCYNTH—29 bls, S B Penick & Co, Manaar, Port Sudan
10 bls, Manaar, Port Sudan
COLORS—6 bbls, International Printing Ink Co, President Adams, Shanghai
2 cs, B F Drakenfeld & Co, President Harding, Havre
12 pkgs, Fulton Dye & Import Co, Lafayette, Havre
8 cs, G Doherty, Lafayette, Havre
CERAMIC—1 cs, Scythia, Liverpool
2 cs, B F Drakenfeld & Co, Scythia, Liverpool
DRY—8 cks, C J Osborn & Co, Volendam, Rotterdam
1 cs, Gallagher & Ascher, Statendam, Rotterdam
EARTH—51 cks, Reichard-Coulston, Deutschland, Hamburg
50 cks, Fezandie & Sperrle, Berlin, Bremen
11 cks, Reichard-Coulston, Statendam, Rotterdam
ENAMEL — 2 cs, B F Drakenfeld & Co, President Harding, Hamburg
PIGMENT—6 jugs, General Dyestuff Corp, Volendam, Rotterdam
PRINTING—1 cs, Davies Turner & Co, Deutschland, Hamburg
COPAIBA BALSAM—80 cs, Dunstan, Manaos
3 cs, Dunstan, Itacoatiara
COPRA, MEAL—3,500 bgs, Philippine Refg Corp, Ferngien, Manila
COPPERAS—200 cks, Ilsenstein, Antwerp
CORK, WASTE—480 bls, Manufacturers Trust Co, Exchange, Lisbon
WOOD—50 bls, Andersen & Husum, Exchange, Lisbon
100 bls, Wicander & Co, Exchange, Lisbon
COTTON LINTERS—101 bls, Dunstan, Cabadello
COTTONSEED MEAL—1,340 bgs, Ancon, Port Prince
PITCH—27 bbls, Chaplain & Bibbo, Scanstates, Copenhagen
CUBEBS—16 bgs, President Adams, Singapore
CURICURY NUTS—1,000 bgs, General Food Corp, Dunstan, Bahia
CUTTLEFISH BONES — 635 cs, President Adams, Marseilles
50 cs, Peek & Velsor, Exchange, Lisbon
DERRISROOT—16 bls, Dodwell & Co, President Adams, Manila
DISINFECTANT—20 dms, Caledonia, Glasgow
DYES, ALIZARIN—20 dms, 26 cks, General Dyestuff Corp, Volendam, Rotterdam
8 dms, 16 cks, General Dyestuff Corp, Statendam, Rotterdam
ANILIN—2 pkgs, General Dyestuff Corp, Deutschland, Hamburg
2 cks, 1 keg, L & R Organic Product Co, Scythia, Liverpool
1 dm, Ciba Co, Scythia, Liverpool
9 dms, 2 cs, 295 cks, General Dyestuff Corp, Volendam, Rotterdam
16 bbls, Ciba Co, Lafayette, Havre
4 bbls, L & R Organic Product Co, Westernland, Antwerp
1 cs, 14 dms, 130 cks, General Dyestuff Corp, Statendam, Rotterdam
EGG YOLK, HEN—112 cs, T M Duche & Sons, Kwansai, Hankow
FILTER COMPOUND—50 cs, H Reifenberg, Deutschland, Hamburg
MASS—1 cs, Aug Giese & Son, Deutschland, Hamburg
PAPER—11 cs, H Reeve, Angel & Co, American Merchant, London
19 pkgs, H Reeve, Angel & Co, Queen Mary, Southampton
FLAXSEED — 4,071,000 kilos, 162,840 bus, Archer Daniels Midland Co, East Indian, Buenos Aires
6,018 tons, 240,720 bus, L Dreyfus & Co, Redgate, Santa Fe
1,129 tons, 45,160 bus, L Dreyfus & Co, Redgate, La Plata
FLEASEED—67 bgs, Peek & Velsor, President Adams, Bombay
65 bgs, J L Hopkins & Co, President Adams, Bombay
157 bgs, Royal Bank of Canada, President Adams, Bombay
489 bgs, President Adams, Bombay
10 bls, President Adams, Marseilles
GALANGAL ROOT—56 bgs, E A Beaumont, Asosan, Hongkong
GAMBIER—283 bgs, E E Androvette, Lossiebank, Singapore
1,275 cs, Marion, Belawan Deli
LIQUID—4 cks, H A Astlett & Co, Scythia, Liverpool
GELATIN—25 cs, International Selling Corp, Westernland, Antwerp
POWDERED—460 bgs, 21 bbls, R D McLellan, Volendam, Rotterdam
76 bgs, Westernland, Antwerp
100 bbls, International Selling Corp, Westernland, Antwerp
GINGER ROOT—8 bgs, D Steengrafe, Manuela, San Juan
GLASS, PLATE—2 cs, Brown Bros Harriman Co, Henri Jasper, Antwerp
1 cs, American Express Co, Deutschland, Hamburg
48 cs, Globe Shipping Co, Deutschland, Hamburg
2 cs, S A Bendheim Co, President Harding, Hamburg
GLASS, PLATE—4 cs, C Happel, President Harding, Hamburg
SHEET—454 cs, Henri Jasper, Antwerp
WINDOW—5 cs, Brown Bros Harriman Co, Henri Jasper, Antwerp
12 cs, W J Byrnes & Co, Deutschland, Hamburg
60 cs, President Harding, Hamburg
1,262 cs, Royal Glass Works, President Harding, Hamburg
314 cs, Semon, Bache & Co, President Harding, Hamburg
40 cs, S A Bendheim Co, President Harding, Hamburg
17 cs, Leo Popper & Son, Scythia, Liverpool
3 cs, Semon, Bache & Co, Washington, Hamburg
47 cs, L Solomon & Son, Washington, Hamburg
GLUE—299 bgs, Dingelstedt & Co, Deutschland, Hamburg
100 bgs, Intercontinental Forwarding Co, Deutschland, Hamburg
50 bgs, Rex & Reynolds, President Adams, Marseilles
151 bgs, Innis, Speiden & Co, President Harding, Hamburg
81 pkgs, International Selling Co, Lafayette, Havre
LEATHER—200 bgs, L H Lang, G Van Gelden, Washington, Hamburg
GLYCERIN—1 car, Colgate-Palmolive-Peet Co, Seatrain New York, Havana
20 dms, Scanstates, Copenhagen
178 dms, Colgate-Palmolive-Peet Co, Deutschland, Hamburg
144 dms, Deutschland, Hamburg
39 dms, Volendam, Rotterdam
30 dms, G Uhe Co, Statendam, Rotterdam
GRAPHITE—465 bgs, Asbury Graphite Mills, President Adams, Colombo
250 bgs, J Dixon Crucible Co, President Adams, Colombo
250 bgs, C E Pettinos, President Adams, Colombo
270 bgs, President Adams, Colombo
209 bgs, Asbury Graphite Mills, Lafayette, Havre
500 bgs, Silverash, Vatomandry
625 bgs, Asbury Graphite Mills, Silverash, Tamatave
1,250 bgs, Silverash, Tamatave
939 bgs, Asbury Graphite Mills, Silverash, Batavia
313 bgs, J Dixon Crucible Co, Silverash, Batavia
750 bgs, Silverash, Batavia
GREASE WOOL—22 dms, Scythia, Liverpool
15 dms, Innis, Speiden & Co, Scythia, Liverpool
GUM—50 bgs, 2 tons, 10 cwt, 3 qtrs, 16 lbs, Scythia, Liverpool
3 bgs, Gallagher & Ascher, Statendam, Rotterdam
ARABIC—300 bgs, Otto Petersen, Hamburg
250 bgs, T M Duche & Sons, Deutschland, Hamburg
200 bgs, Irving Trust Co, Deutschland, Hamburg
270 bgs, Deutschland, Hamburg
150 bgs, Thurston & Braidich, Manaar, Port Sudan
150 bgs, American Cyanamid & Chem Co, Manaar, Port Sudan
150 bgs, A D Isbetcherian, Manaar, Port Sudan
150 bgs, Frank Vliet Co, Manaar, Port Sudan
BENZOIN—10 cs, Silverash, Sibolga
50 cs, J L Hopkins & Co, Silverash, Belawan
50 cs, Paul A Dunkel & Co, Maron, Sibolga
100 cs, National City Bank, Maron, Sibolga
15 cs, Maron, Bangkok
CHICLE — 1,339 bls, Mexican Exploitation Co, Yucatan, Vera Cruz
COPAL — 100 bgs, American Cyanamid & Chem Co, Henri Jaspar, Antwerp
1,160 bgs, O G Innes Corp, Henri Jaspar, Antwerp
520 bgs, France, Campbell & Darling, Henri Jaspar, Antwerp
71 bskts, Gillespie-Rogers-Pyatt Co, Kota Pinang, Macassar
65 bgs, Chase National Bank, Kota Pinang, Macassar
329 bskts, 130 bgs, Manufacturers Trust Co, Kota Pinang, Macassar
554 bskts, O G Innes Corp, Kota Pinang, Macassar
244 bskts, Kota Pinang, Macassar
DAMMAR — 420 bgs, 50 cs, Manufacturers Trust Co, President Adams, Singapore
267 cs, S Winterbourne & Co, President Adams, Singapore
100 cs, S Winterbourne & Co, Lossiebank, Batavia
200 cs, Stroock & Wittenberg, Silverash, Batavia
100 cs, G W S Patterson & Co, Kota Ping, Batavia
100 cs, Chase National Bank, Kota Ping, Batavia
150 cs, Kota Ping, Batavia
210 bgs, 50 cs, Stroock & Wittenberg, Maron, Singapore
100 cs, American Cyanamid & Chem Co, Maron, Singapore
280 bgs, O G Innes Corp, Maron, Singapore
140 bgs, France, Campbell & Darling, Maron, Singapore
200 bgs, Thurston & Braidich, Maron, Batavia
KARAYA—226 bgs, S B Penick & Co, President Adams, Bombay
64 bgs, Innis, Speiden & Co, President Adams, Bombay
110 bgs, T M Duche & Sons, President Adams, Bombay
314 bgs, Thurston & Braidich, President Adams, Bombay
76 bgs, Jacques Wolf & Co, President Adams, Bombay
122 bgs, Richard Chem Works, President Adams, Bombay
67 bgs, Frank Vliet Co, President Adams, Bombay
20 bgs, J L Hopkins & Co, President Adams, Bombay
LOCUST BEAN — 110 cs, Stein, Hall & Co, President Adams, Genoa
MASTIC—10 cs, Guaranty Trust Co, President Adams, Port Said
PERILLA—99 pkgs, Chicle Development Co, Pastores, Pto Colombia
TRAGACANTH — 300 bgs, E Meer & Co, President Adams, Kloramshahr
294 bgs, E Meer & Co, President Adams, Bombay
5 cs, 1 bg, A D Isbetcherian, President Adams, Istanbul
9 bgs, Frank Vliet Co, Scythia, Liverpool
GYPSUM—4,650 tons, U S Gypsum Co, Gypsum Empress, Windsor
3,750 tons, National Gypsum Co, Syolfold, Cheticamp
HENNA LEAVES—70 bls, Manaar, Port Sudan
HERBS, MEDICINAL—6 bls, 2 bgs, Deutschland, Hamburg

HOPS—30 bls, Bode & Voigt, Deutschland, Hamburg
10 bls, American Express Co, Deutschland, Hamburg
10 bls, Westerniand, Antwerp
ILMENITE SAND—1,500 tons, National Lead Co, Yomachichi, Colachel
INDIGO—7 dms, General Dyestuff Corp, Volendam, Rotterdam
IRISH MOSS—50 bls, S B Penick & Co, Lafayette, Havre
50 bls, Pancoid Corp, Lafayette, Havre
55 bls, C H Reisig, Lafayette, Havre
10 bls, Peek & Velsor, Lafayette, Havre
10 bls, S B Penick & Co, Lafayette, Havre
IRON ORE — 114 dms, Reichard-Coulston, Scythia, Liverpool
IOXIDE—40 cks, J A McNulty, Scythia, Liverpool
10 cks, Reichard-Coulston, Volendam, Rotterdam
20 cks, Robinson, Wagner Co, Volendam, Rotterdam
ISINGLASS—8 cs, P H Petry & Co, Queen Mary, Southampton
KOLA NUTS—27 bls, J L Hopkins & Co, Deutschland, Hamburg
LIME JUICE—75 hghd, L Rose & Co, Nerissa, Dominica
LITHOPONE—100 cks, Benj Moore & Co, Volendam, Rotterdam
1 dm, Gallagher & Ascher, Statendam, Rotterdam
LOOFAHS—35 bls, Schroeder & Tremayne, Asasam, Kobe
MACE—10 cs, Royal Bank of Canada, Nerissa, Grenada
17 cs, Nerissa, Grenada
50 cs, Lossiebank, Padang
32 cs, Van Loan & Co, Lossiebank, Singapore
27 cs, Catz American Co, Kota Pinang, Macassar
MAGNESIA, CALCINED — 50 cs, Schofield Donald Co, Scythia, Liverpool
CARBONATE—50 cks, Schofield-Donald Co, Scythia, Liverpool
MANGROVE BARK—1,830 bgs, Robin Goodfellow, Zanzibar
482 bgs, Robin Goodfellow, Mombasa
1,000 bgs, Robin Goodfellow, Kiliva, Kisiwani
EXTRACT—3,760 bgs, Philippine Cutch Corp, President Adams, Zamboanga
1,000 bgs, Maron, Singapore
MATCHES, SAFETY—2,000 cont, 3 cs, New York Match Co, Gripsholm, Gothenburg
MEDICINAL PREPS — 25 cs, Black Eagle, Rotterdam
10 cs, J Personeni, President Adams, Genoa
20 cs, E Fougera & Co, Lafayette, Havre
2 pkgs, G J Wallau, Lafayette, Havre
MICA—246 cs, Norwegian American Line, Stavangerfjord, Oslo
26 cs, Yomachichi, Calcutta
54 cs, Scythia, Liverpool
524 cs, Silverash, Batavia
25 cs, Barber S S Line, American Merchant, London
BLOCK—156 cs, Yomachichi, Calcutta
78 cs, Brown Bros, Harriman Co, Yomachichi, Calcutta
FILM—2 cs, Yomachichi, Calcutta
PLATES—18 cs, Brown Bros, Harriman Co, Yomachichi, Calcutta
SPLITTINGS—27 cs, General Electric Co, Yomachichi, Calcutta
100 cs, Yomachichi, Calcutta
25 cs, Soeldner Heyman Co, Yomachichi, Calcutta
600 cs, General Electric Co, Manaar, Calcutta
120 cs, Manaar, Calcutta
55 cs, American Merchant, London
WASTE—709 bgs, Soeldner & Heyman Co, Yomachichi, Calcutta
MILK, POWD—188 cs, R E Schanzer, Statendam, Rotterdam
MOLASSES—397,781 gls, Porto Rico Mec Co, Catahoula, Geranica
981,435 gls, Cuba Dist Co, Catahoula, Nuevitas
289,739 gls, Catahoula, La Romana
216,687 gls, Catahoula, San Pedro de Macoris
MUSTARD SEED—150 bgs, Old Dutch Mustard Co, Volendam, Rotterdam
MYROBALANS—1,000 pkgs, Guaranty Trust Co, Yomachichi, Calcutta
5,440 bgs, National City Bank, Yomachichi, Bombay
1,200 bgs, Guaranty Trust Co, Yomachichi, Bombay
5,600 bgs, National City Bank, Manaar, Calcutta
NAPHTHALENE—446 bgs, Calco Chem Co, Statendam, Rotterdam
NIGER SEED—167 bgs, President Adams, Vizagapatam
NUTGALLS—945 bgs, Bingham & Co, Ward, Hankow
NUTMEGS—317 bgs, Lossiebank, Padang
243 bgs, Catz American Co, Kota Pinang, Macassar
203 bgs, L Mommessen, Kota Pinang, Padang
OCHER—5 cks, Reichard-Coulston, President Adams, Marseilles
60 cks, E E Marks & Co, President Adams, Marseilles
80 cks, C J Osborn & Co, President Adams, Marseilles
40 cks, Robinson, Wagner Co, President Adams, Marseilles
24 cks, T H Deutz, President Adams, Marseilles
OIL, ALMOND—10 cs, McKesson & Robbins, American Merchant, London
ANISE—50 dms, Kwansai, Canton
20 dms, Dodge & Olcott Co, Asosan, Hongkong
30 dms, Geo Lueders & Co, Asosan, Hongkong
10 dms, Fritzsche Bros, Asosan, Hongkong
10 dms, Ungerer & Co, Asosan, Hongkong
10 dms, Magnus, Mabee & Raynard, Asosan, Hongkong
10 dms, Colgate-Palmolive-Peet Co, Asosan, Hongkong
BABASSU—200 dms, Dunstan, Maranham
CHINAWOOD—11 dms, President Adams, Shanghai
285 tons, Mitsui & Co, Kwansai, Hankow
50 dms, Pacific National Bank, Asosan, Hongkong
133 dms, Wah Chang Trading Corp, Asosan, Hongkong

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N.J.

OIL, CHINAWOOD—132 dms, Gillespie, Rogers, Fyatt Co, Asosan, Hongkong
133 dms, W R Grace & Co, Asosan, Hongkong
CINNAMON LEAF—1 cs, B H Old & Co, President Adams, Colombo
1 dm, President Adams, Colombo
7 dms, R C Treatt & Co, American Merchant, London
CITRONELLA—16 dms, Dodge & Olcott Co, President Adams, Colombo
24 dms, President Adams, Colombo
12 dms, Kota Pinang, Batavia
4 dms, Maron, Batavia
CLOVE—8 dms, Silverash, Batavia
COCONUT — 876 tons, Philippine Refining Corp, Fernglen, Manila
1,088 tons, Philippine Refining Corp, Asosan, Cebu
COD—200 dms, Brown Bros-Harriman Co, Deutschland, Hamburg
275 dms, Deutschland, Hamburg
650 cks, Balfour, Guthrie & Co, President Harding, Hamburg
200 dms, Corn Exchange Bank, Kwansai, Yokohama
CODLIVER—100 dms, C L Huisking & Co, Stavangerfjord, Alesund
1,000 dms, Stavangerfjord, Alesund
203 bbls, Scott & Bowne, Stavangerfjord, Alesund
204 dms, Stavangerfjord, Reykjavik
43 dms, S Emy, Asosan, Yokohama
35 dms, S Emy, Shunten, Yokohama
CORN—250 dms, Corn Product Refg Co, President Harding, Hamburg
100 dms, Volendam, Rotterdam
180 dms, Corn Product Refg Co, Caledonia, Glasgow
250 dms, Washington, Hamburg
165 dms, Westerniand, Antwerp
COTTONSEED—181 tons, Mitsui & Co, Kwansai, Osaka
286 tons, Mitsui & Co, Kwansai, Kobe
1,866,418 lbs, Pacific Vegetable Oil Co, Shunten, Kobe
325 dms, Dunstan, Natal
535 dms, Dunstan, Cabadello
CROTON—3 cs, Dodge & Olcott Co, American Merchant, London
ESSENTIAL—12 dms, Platano, Porto Barrios
19 pkgs, 2 cs, Deutschland, Hamburg
42 cs, President Adams, Marseilles
8 cs, President Harding, Havre
11 cs, Volendam, Rotterdam
19 pkgs, Lafayette, Havre
FISH—43 dms, S Emy, Asosan, Yokohama
FUEL—52,849 bbls, Asiatic Petroleum Corp, San Roberto, Puerto Mexico
56,240 bbls, Shell Union Oil Corp, Mantella, Curacao
66,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
67,000 bbls, Standard Oil Co of N J, S B Huot, Aruba
GERANIUM—6 dms, Silverash, Saint Denis
GREASE—17 bbls, Kwansai, Kobe
LIME—3 cs, Dodge & Olcott Co, Nerissa, Montserrat
15 cs, Cottica, Georgetown
LINSEED—2 cs, B F Drakenfeld & Co, Scythia, Liverpool
LUBRICATING—10 dms, C C Wakefield & Co, American Merchant, London
MINERAL—135 dms, Heemsoth Kerner Corp, Deutschland, Hamburg
200 dms, Heemsoth Kerner Corp, Deutschland, Hamburg
OLIVE—50 dms, Atlantic & Pacific Tea Co, President Adams, Genoa
25 dms, 540 cs, President Adams, Genoa
130 cs, President Adams, Nice
150 ctns, Statendam, Rotterdam
OLIVE SULPHUR—100 dms, Smith, Wehman & Co, Exchange, Piraeus
PALM—166 cks, Balfour, Guthrie & Co, Statendam, Rotterdam
PALMAROSA—4 pots, Volkart Bros, President Adams, Bombay
PEANUT — 53 dms, Holland American Line, Statendam, Rotterdam
RICE BRAN—200 dms, Kwansai, Tokyo
100 dms, W R Grace & Co, Asosan, Yokohama
ROSEWOOD—12 cs, Dunstan, Manaos
SANDALWOOD — 9 cs, Magnus, Mabee & Reynard, President Adams, Colombo
SESAME—50 dms, N C Littauer, Scanstates, Copenhagen
250 dms, Volendam, Rotterdam
SOYBEAN—59 bbls, Volendam, Rotterdam
54 dms, Holland American Line, Statendam, Rotterdam
SPERM—20 dms, Caledonia, Glasgow
TEASEED—100 dms, Paul A Dunkel & Co, Ward, Hankow
100 dms, Simola Trading Co, Ward, Hankow
150 dms, Arkansas Co, Ward, Hankow
50 dms, Pacific Vegetable Oil Co, Ward, Hankow
700 dms, American Cyanamid & Chem Co, Ward, Hankow
500 dms, National City Bank, Ward, Hankow
200 dms, Mitsui & Co, Ward, Hankow
400 dms, President Adams, Canton
100 dms, Balfour, Guthrie & Co, Lossiebank, Shanghai
100 dms, Leghorn Trading Co, Lossiebank, Shanghai
100 dms, Chase National Bank, Lossiebank, Shanghai
250 dms, Corn Exchange Bank, Lossiebank, Shanghai
155 tons, Bunge North Amer Grain Co, Lossiebank, Shanghai
225 dms, Kwansai, Canton
100 dms, Mitsui & Co, Kwansai, Shanghai
25 dms, Mitsui & Co, Kwansai, Hankow
150 dms, Mitsubishi Shoji Kaisha, Kwansai, Hankow
VEGETABLE—50 dms, I R Boody & Co, Volendam, Rotterdam
50 dms, W R Grace & Co, Asosan, Kobe
ORANGE PEEL—30 bgs, President Adams, Marseilles
PAPAIN—22 cs, McKesson & Robbins, President Adams, Colombo
11 cs, President Adams, Colombo
4 cs, Kota Pinang, Tandjong Priok
PAPRIKA—100 bgs, Victory Shipping Co, Deutschland, Hamburg
PARAFFIN—1,200 bgs, Scythia, Liverpool
400 bgs, Asiatic Petroleum Corp, Volendam, Rotterdam
2,400 bgs, Asiatic Petroleum Corp, Kota Pinang, Balik Papan
PATCHOULI LEAVES—34 bls, G Uhe Co, Silverash, Tapa Toean
18 bls, Dodge & Olcott Co, Silverash, Tapa Toean
PEATMOSS—3,178 bls, Premier Peatmoss Corp, Otto Petersen, Hamburg
1,695 bls, Premier Peatmoss Corp, Scanstates, Copenhagen
145 cs, 2,500 bls, 106 half bls, Berlin, Bremen
1,323 bls, Premier Peatmoss Corp, Statendam, Rotterdam
PEPPER, BLACK—324 bgs, Lossiebank, Batavia
162 bgs, Lossiebank, Oosthaven
75 bgs, Lossiebank, Singapore
PETROLEUM, REFINED—108 dms, Robt F Cruickshank, Scanstates, Copenhagen
POPPYSEED—100 bgs, 11,000 lbs, R L Friedler, Volendam, Rotterdam
50 bgs, 5,500 lbs, C M Van Sillevoldt, Volendam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Volendam, Rotterdam
100 bgs, 11,000 lbs, Bunge North American Grain Co, Statendam, Rotterdam
POPPYSEED—100 bgs, 11,000 lbs, R L Friedler, Statendam, Rotterdam
POTASH, CAUSTIC—120 dms, E I Du Pont de Nemours & Co, Washington, Hamburg
CHLORATE—225 dms, C Hardy, Henri Jasper, Antwerp
1,260 cks, Uniform Chem Prod Co, Deutschland, Hamburg
MURIATE—200 bgs, N V Potash Export Mij, Henri Jasper, Antwerp
PRUSSIATE—50 bbls, American Cyanamid & Chem Co, Deutschland, Hamburg
SULPHATE—30 bbls, N V Potash Export Mij, Otto Petersen, Hamburg
PYRETHRUM FLOWERS — 125 bls, Robin Goodfellow, Mombasa
50 bls, R J Prentiss & Co, Asosan, Kobe
QUICKSILVER—100 flks, Chase Natl Bank, Yucatan, Vera Cruz
RAPESEED—354 bgs, President Adams, Bombay
RHUBARB—12 cs, Central Hanover Bank, Kwansai, Shanghai
RICE FLOUR—100 bgs, Halfmoon Mfg & Trading Co, Black Eagle, Rotterdam
ROOT, MEDICINAL—30 bgs, Peek & Velsor, Deutschland, Hamburg
161 bls, Westernland, Antwerp
SAFFRON, AMERICAN — 26 bgs, President Adams, Alexandria
SAGO FLOUR—800 bgs, President Adams, Singapore
800 bgs, Chase Natl Bank, Silverash, Singapore
2,400 bgs, Chase Natl Bank, Asosan, Singapore
SANDALWOOD—134 bgs, Greene Trading Co, President Adams, Bombay
SARDINE MEAL—1,000 bgs, Ashcraft-Wilkinson Co, Asosan, Yokohama
1,000 bgs, Wilbur Ellis Co, Asosan, Yokohama
1,120 bgs, Ashcraft-Wilkinson Co, Asosan, Nagoya
2,000 bgs, Mitsui & Co, Asosan, Nagoya
2,000 bgs, Mitsui & Co, Asosan, Kobe
1,120 bgs, Ashcraft-Wilkinson Co Shunten, Kobe
SARSAPARILLA ROOT—8 bls, Quirigua, Havana
21 bls, Agwistar, Tampico
SAWDUST—615 bgs, State Chem Co, Volendam, Rotterdam
SCHEELITE ORE—1,182 bgs, Lossiebank, Penang
SENNA LEAVES—115 bls, President Adams, Tuticorin
SESAME SEED—116 bgs, President Adams, Bombay
SHELLAC—400 bgs, E E Androvette, Yomachichi, Calcutta
325 bgs, Wm Zinsser & Co, Yomachichi, Calcutta
900 bgs, Guaranty Trust Co, Yomachichi, Calcutta
30 bgs, 3 cs, A Hurst & Co, Deutschland, Hamburg
760 bgs, E E Androvette, Manaar, Calcutta
125 bgs, Guaranty Trust Co, Manaar, Calcutta
200 bgs, France, Campbell & Darling, Manaar, Calcutta
1,000 bgs, Argenti & Co, Manaar, Calcutta
25 cs, Alfred Kramer & Co, Manaar, Calcutta
100 bgs, Manaar, Calcutta
40 bgs, 30 cs, A Hurst & Co, Statendam, Rotterdam
BUTTON LAC—1 bg, France, Campbell & Darling, Manaar, Calcutta
GARNET LAC—300 bgs, Wm Zinsser & Co, Yomachichi, Calcutta
SEEDLAC—370 bgs, Wm Zinsser & Co, Yomachichi, Calcutta
200 bgs, E E Androvette, Manaar, Calcutta
300 bgs, Chase National Bank, Manaar, Calcutta
700 bgs, Guaranty Trust Co, Manaar, Calcutta
100 bgs, Manaar, Calcutta
STICK LAC—45 bgs, E E Androvette, Manaar, Calcutta
SOAP—29 cs, H W Robinson & Co, President Harding, Hamburg
8 cs, W Bendel, President Harding, Havre
SODA, CYANIDE — 500 cs, American Cyanamid & Chem Co, Deutschland, Hamburg
375 cks, 400 dms, Charles Hardy, Lafayette, Havre
PHOSPHATE—125 kegs, R J Prentiss & Co, Volendam, Rotterdam
SOOT, SCOTCH—44 bgs, Faesy & Besthoff, Caledonia, Glasgow
SPONGES—11 bls, Oriente, Havana
48 bls, J H Rhodes & Co, Yucatan, Havana
104 bls, American Sponge & Chamois Co, Yucatan, Havana
6 bls, J Bloch, Yucatan, Havana
REFUSE—3 bls, American Sponge & Chamois Co, Yucatan, Havana
4 bls, J Bloch, Yucatan, Havana
STARCH, RICE—112 bbls, Henir Jasper, Antwerp
TALC—200 bgs, C B Chrystal & Co, Asosan, Kobe
TALLOW, VEGETABLE—942 pkgs, Bingham & Co, Ward, Hankow
1,334 pkgs, S L Jones & Co, Ward, Hankow
1,808 bgs, L Stern & Son, Lossiebank, Shanghai
TAMARINDS—10 bbls, Nerissa, Barbados
25 bbls, Murbas Trading Co, Nerissa, Antigua
67 bbls, J L Hopkins & Co, Nerissa, Antigua
TANKAGE—275 bgs, Bank of Greece, Exchange, Piraeus
TANNING EXTRACT—1 ck, Tannin Corp, Scythia, Liverpool
100 cs, Westernland, Antwerp
TAPIOCA, FLAKE—697 bgs, Stein, Hall & Co, Kota Pinang, Sourabaya
1,310 bgs, Stein, Hall & Co, Maron, Sourabaya
FLOUR—500 bgs, Rutger, Bleecker & Co, Maron, Sourabaya
1,103 bgs, Trust Co of North America, Lossiebank, Pasoeroean
425 bgs, Java American Export Co, Lossiebank, Sourabaya
595 bgs, Stein, Hall & Co, Lossiebank, Sourabaya
500 bgs Bank of Manhattan, Lossiebank, Tegal
1,000 bgs, Chase Natl Bank, Lossiebank, Tegal
500 bgs, New York Trust Co, Lossiebank, Tegal
750 bgs, H P Winter & Co, Lossiebank, Cheribon
565 bgs Chase Natl Bank, Lossiebank, Cheribon
1,257 bgs, Stein, Hall & Co, Lossiebank, Cheribon
3,349 bgs, Stein, Hall & Co, Lossiebank, Batavia
246 bgs, H P Winter & Co, Lossiebank, Batavia
500 bgs, Stein, Hall & Co, Silverash, Tegal
1,250 bgs, Stein, Hall & Co, Silverash, Tjilatjap
1,070 bgs, Balfour, Guthrie & Co, Silverash, Pamanoekan
547 bgs, Stein, Hall & Co, Kota, Pinang, Sourabaya
1,050 bgs, Kota Ping, Tegal
250 bgs, Java American Export Co, Kota Pinang, Batavia
1,033 bgs, National Adhesive Corp, Kota Pinang, Batavia
800 bgs, Stein, Hall & Co, Kota Pinang, Tjilatjap
TAPIOCA FLOUR—1,070 bgs, Balfour, Guthrie Co, Kota Pinang, Pamanoekan
255 bgs, Chase Natl Bank, Cheribon
250 bgs, Stein, Hall & Co, Kota Pinang, Cheribon
1,495 bgs, Chase Natl Bank, Maron, Batavia
250 bgs, Seligman & Co, Maron, Batavia
514 bgs, H P Winter & Co, Maron, Batavia
883 bgs, Stein, Hall & Co, Maron, Batavia
1,989 bgs, Chase Natl Bank, Maron, Cheribon
552 bgs, Stein, Hall & Co, Maron, Cheribon
8,688 bgs, Stein, Hall & Co, Maron, Sourabaya
PEARL—81 bgs, Lossiebank, Singapore
112 bgs, Chase Natl Bank, Maron, Cheribon
265 bgs, Stein, Hall & Co, Maron, Sourabaya
TEAWASTE—416 bgs, Citro Chem Co, American Merchant, London
THYME LEAVES—45 bgs, Seek & Kade, President Adams, Marseilles
49 bgs, President Adams, Marseilles
TIMBO POWDERED—158 cs, Dunstan, Para
TUCUM KERNELS—4,604 bgs, General Foods Corp, Dunstan, Parnahyba
TUNGSTEN ORE—2,240 bgs, Wah Chang Trading Corp, Kwansai, Shanghai
POWDERED—30 dms, C Tennant Sons & Co, Scythia, Liverpool
TURMERIC—244 bgs, President Adams, Bombay
FINGERS—240 bgs, B H Old & Co, President Adams, Cochin
240 bgs, C T Wilson & Co, President Adams, Cochin
UMBER—1,281 bgs, 138 tons, J Lee Smith & Co, Exchange, Larnaca
2,927 bgs, 49 cs, Reichard, Coulston, Exchange, Larnaca
UREA—600 bgs, Synthetic Nitrogen Prod Corp, Volendam, Rotterdam
VALERIAN ROOT—40 bls, Ilsenstein, Antwerp
VANILLA BEANS—88 cs, Norwegian American Line, Stavangerfjord, Oslo
71 cs, Corn Exchange Bank, President Adams, Marseilles
18 cs, Brown Bros-Harriman Co, President Adams, Marseilles
24 cs, Irving Trust Co, President Adams, Marseilles
7 cs, R Moelhausen, Nerissa, Guadeloupe
115 cs, Nerissa, Guadeloupe
15 cs, Lafayette, Havre
30 cs, Chase National Bank, Silverash, Tamatave
15 cs, Silverash, Tamatave
12 cs, M Cortizas Co, Yucatan, Vera Cruz
15 cs, F Huber & Co, Yucatan, Vera Cruz
15 cs, Queen Mary, Southampton
CUTS—12 cs, M Cortizas Co, Yucatan, Vera Cruz
5 cs, Zink & Triest, Yucatan, Vera Cruz
VARNISH—1 cs, Majestic Shipping Co, Lafayette, Havre
WAX, BEES—9 bgs, William Fisher & Co, Platano, Porto Barrios
14 bgs, Schutte & Focke, Martinique, Jeremie
29 bgs, Curacao Trading Co, Borinquen, Trujillo
11 bgs, Machado & Co, Almena, Sanchez
14 bgs, Schutte & Focke, Almena, Sanchez
183 bgs, Exchange, Lisbon
45 bgs, Innis, Speiden & Co, Exchange, Lisbon
27 bgs, Agwistar, Tampico
71 bgs, D A Zorilla, Agwistar, Tampico
80 bgs, Robin Goodfellow, Dar-es Salaam
CANDELILLA — 265 bgs, D A Zorrilla, Agwistar, Tampico
1,058 bgs, M Argueso & Co, Agwistar, Tampico
252 bgs, Agwistar, Tampico
CARNAUBA—972 bgs, Strohmeyer & Arpe Co, Dunstan, Parnahyba
56 bgs, Strohmeyer & Arpe Co, Dunstan, Ceara
188 bgs, Strahl & Pitsch, Dunstan, Parnahyba
56 bgs, Strahl & Pitsch, Dunstan, Ceara
188 bgs, Smith & Nichols, Dunstan, Parnahyba
223 bgs, Smith & Nichols, Dunstan, Ceara
125 bgs, Innis, Speiden & Co, Dunstan, Parnahyba
56 bgs, Innis, Speiden & Co, Dunstan, Ceara
63 bgs, Wessel, Duval & Co, Dunstan, Parnahyba
440 bgs, American Cyanamid & Chemical Co, Dunstan, Parnahyba
189 bgs, American Cyanamid & Chemical Co, Dunstan, Ceara
167 bgs, W M Allison & Co, Dunstan, Ceara
46 bgs, W M Allison & Co, Dunstan, Pernambuco
376 bgs, Bank of London, South America, Dunstan, Parnahyba
169 bgs, Bank of London, South America, Dunstan, Ceara
188 bgs, Dunstan, Parnahyba
56 bgs, Dunstan, Ceara
MINERAL—5 bgs, General Dyestuff Corp, Volendam, Rotterdam
MONTAN—250 bgs, American Express Co, Deutschland, Hamburg
750 bgs, Strohmeyer & Arpe Co, Deutschland, Hamburg
OZOKERITE — 37 bgs, Heemsoth-Kerner Corp, Deutschland, Hamburg
SPERMACETTI—100 cs, Strohmeyer & Arpe Co, Caledonia, Glasgow
VEGETABLE—20 bgs, A Hurst & Co, Caledonia, Glasgow
750 bgs, Mitsui & Co, Asosan, Kobe
400 bgs, Strohmeyer & Arpe Co, Asosan, Kobe
400 bgs, H H Rosenthal Co, Asosan, Kobe
WHITING—2,000 bgs, Westernland, Antwerp
WOLFRAM ORE—40 bgs, Wah Chang Trading Corp, Asosan, Hongkong
WOODFLOUR—1,300 bgs, D L Soberski, Stavangerfjord, Oslo
400 bgs, Burnet & Co, Stavangerfjord, Oslo
4,000 bgs, Burnet & Co, Otto Petersen, Hamburg
YEAST—70 bbls, Vulkan Yeast Co, Deutschland, Hamburg
10 bgs, Compressed Yeast Corp, Deutschland, Hamburg

New York Transit Imports

BLANC FIXE—43 cks, Statendam, Rotterdam, Rochester
CAMPHOR, REFINED—300 cs, McKesson & Robbins, Kwansai, Kobe, Rochester
CASHEU SHELL, LIQUID—100 dms, Irvington Varnish Insulator Co, President Adams, Bombay, Irvington
CORKWASTE—348 bls, Mitchell & Smith, President Harding, Hamburg, Detroit
GUM, ARABIC—150 bgs, Murray & Nickell Mfg Co, Manaar, Port Sudan, Chicago
HOPS—5 bls, Volendam, Rotterdam, Cleveland
OIL, CHINAWOOD—1,283 tons, W G Smith Co, Lossiebank, Shanghai, Cleveland
236 dms, Glidden Co, Asosan, Hongkong, Cleveland
OLIVE—209 dms, H & J Heinz, Volendam, Rotterdam, Pittsburgh
POPPYSEED—150 bgs, Statendam, Rotterdam, Cleveland
100 bgs, Statendam, Rotterdam, Chicago
SESAME SEED—28 bgs, Sprague & Co, Kwansai, Hongkong, Chicago
TUCUM KERNELS—702 bgs, National City Bank, Dunstan, Maranham, Cleveland
616 bgs, National City Bank, Dunstan, Parnahyba, Cleveland

WAX, CARNAUBA—448 bgs, First Natl Bank, Dunstan, Ceara, Chicago

Baltimore Imports

BRONZE POWDER—15 cs, Trans Seas Shipping Co, City of Havre, Hamburg
CALCIUM, ALUMINUM SILICON—196 bbls, Toledo, Sauda
MANGANESE SILICON—212 bbls, Toledo, Sauda
SILICON—277 bbls, Toledo, Sauda
CARBON, DECOLORIZING—3 dms, Black Tern, Antwerp
CHEMICALS—500 bgs, City of Havre, Bremen
24 bbls, Black Tern, Rotterdam
111 cks, Advance Solvents Chem Co, Black Tern, Rotterdam
CHROME METAL—55 bbls, Toledo, Sauda
CLAY—200 cks, Black Tern, Rotterdam
341 cks, American Express Co, Black Tern, Rotterdam
VALLENDAR—100 cks, Baltimore & Ohio R R Co, Black Tern, Rotterdam
COLOR, EARTH—5 cks, Order, City of Havre, Bremen
DRUGS, CRUDE—3 bls, W C Sullivan & Co, City of Havre, Hamburg
FERROMANGANESE—750 tons, Frank Samuel & Co, Tampa, Poragrund
762 tons, 133 bbls, Toledo, Sauda
250 cs, Kinai, Yokohama
300 cs, Kinai, Tokyo
FISHMEAL—1,120 bgs, Anna Maersk, Yokohama
ILMENITE SAND—1,766 tons, City of Bagdad, Kolithottam
IRON ORE—7,785 tons, Leo J Buck, Luossa, Narvik
8,150 tons, Queen City, Abu Zenima
4,750 tons, Bethlehem Steel Co, Erlangen, Port Adelaide
11,000 tons, Bethlehem Steel Co, Santore, Daiquiri
OXIDE—15 bgs, 8 cks, Waukegan, Liverpool
LOGWOOD—1,140 tons, J S Young Co, Doris Hamlin, Cape Haitan
MANGANESE METAL—89 dms, Toledo, Sauda
ORE—1,000 tons, City of Eastbourne, Calcutta
8,080 tons, Llanarth, Poti
9,600 tons, E J Lavino Co, Baron Inchcape, Vizagapatam
MOLASSES—814,050 gls, Cuba Distilling Co, Elizabeth Kellogg, Matanzas
561,529 gls, Cuba Distilling Co, Elizabeth Kellogg, Port Tarafa
1,194,334 gls, Cuba Distilling Co, Cassimir, Santiago
186,653 gls, Cuba Distilling Co, Cassimir, Antilla
OILCAKE, MEAL—2,000 bgs, Shinko, Kobe
PEATMOSS—5,210 bls, City of Havre, Bremen
545 bls, City of Havre, Hamburg
PETROLEUM, CRUDE—37,404 bbls, Pan American Ref Corp, Madrono, Las Piedras
POTASH, SULPHATE—3,000 bgs, N Y Potash Export My, City of Havre, Hamburg
SARDINE MEAL—1,000 bgs, Katsuragi, Yokohama
SESAME SEED—112 bgs, Anna Maersk, Hongkong
SILICO MANGANESE — 1,000 bgs, Anna Maersk, Yokohama
SILLIMANITE ROCK—95 tons, City of Bagdad, Calcutta
SODA SULPHATE—300 tons, City of Havre, Bremen
SOYBEAN MEAL—2,000 bgs, Shinko, Dairen

Boston Imports

ACID, CRESYLIC—12 dms, Chase National Bank, Maasdam, Rotterdam
TARTARIC—100 bgs, Maasdam, Rotterdam
CAMPHOR, CRUDE—700 cs, Stone & Downer, Noto, Keelung
CHEMICALS—95 csks, 125 bgs, 52,701 lbs, African Metals Corp, Black Heron, Antwerp
1 tin, 125 lbs, Dewey & Almy Chemical Co, Black Heron, Rotterdam
2 cs, 75 dms, 36,980 lbs, Black Heron, Rotterdam
26 bbls, Stone & Downer, Maasdam, Rotterdam
167 crbys, 80 csks, 102 dms, Maasdam, Rotterdam
150 csks, 37,002 lbs, Excambion, Genoa
CLOVES—100 bgs, Silverash, Batavia
COCOABEANS—800 bgs, Lady Nelson, Port of Spain
750 bgs, Middleton & Co, Lady Nelson, Port of Spain
COCOABUTTER—5 cs, Stephen L Bartlett Co, Maasdam, Rotterdam
COCONUT, DESICCATED — 2,500 cs, ntfy, Franklin Baker Co, Mobile City, Manila
CREAM TARTAR—250 csks, 30,565 lbs, Excambion, Genoa
EMERY POWDER—15 bgs, Nicholson & Co, American Merchant, London
FERTILIZER, CHEMICAL MANURE — 15 bgs, Perry Seed Co, American Merchant, London
FISH LIVERS—12 crtns, Frosted Food Sales Corp, Newfoundland, Halifax
1 crtn, from Nova Scotia
1 cs, Asano Bussan & Co, Noto, Kobe
500 tins, Atlantic Coast Fisheries Export Corp, Noto, Kobe
50 cs, Rowland Marine Products Co, Noto, Kobe
106 cs, Asano Bussan & Co, Noto, Yokohama
GAMBIER—85 cs, American Dyewood Co, Maron, Belawan Deli
136 bgs, E E Androvette, Lossiebank, Singapore
GELATIN — 248 bgs, 28,232 lbs, Stone & Downer, Black Heron Antwerp
GLUE, BONE—1,104 bgs, 56,447 lbs, Wessel, Duval & Co, Black Heron, Antwerp
MARINE—11 dms, L W Ferdinand & Co, American Merchant, London
MARINE, PITCH—3 crtns, Ferdinand & Co, American Merchant, London
GLUESTOCK, FISH SCRAP—15 cs, J R Poole Co, Evangeline, Yarmouth
4 bbls, Russia Cement Co, Newfoundland, Halifax
HIDE CUTTINGS—70 bls, City of Pittsburg, Calcutta
GUM, ARABIC—310 bgs, 69,709 lbs, Manaar, Port Sudan
HERBS—1 cs, 321 lbs, Excambion, Genoa
IRON, OXIDE—135 bgs, 3 tons, 2 cwt, 2 qtrs, 20 lbs, Reichard-Coulston, Newfoundland, Liverpool
ISINGLASS — 10 cs, American Express Co, American Merchant, London
LIME JUICE—50 cks, J B W Von Laer & Co, Lady Nelson, Port of Spain
40 hghds, J B W Von Laer & Co, Lady Nelson, Dominica
10 hghds, Lady Nelson, Dominica
MACE—37 cs, Kota Pinang, Macassar
MICA—150 cs, Philadelphia National Bank, American Merchant, London
38 cs, Corn Exchange Bank Trust Co, American Merchant, London
SPLITTINGS—180 cs, Wallace Bros & Co, Manaar, Calcutta
115 cs, Guaranty Trust Company, City of Pittsburg, Calcutta
150 cs, Wallace Bros & Co, City of Pittsburg, Calcutta
188 cs, Irving Trust Co, City of Pittsburg, Calcutta
WASTE—714 bgs, City of Pittsburg, Calcutta
MILK POWDER—112 bbls, 25,086 lbs, Black Heron, Rotterdam
10 cks, Maasdam, Rotterdam
MOLASSES—3 pnchxs, S G Preble, Newfoundland, Halifax
300 bbls, Boston Molasses Co, Lady Nelson, Georgetown
27 bbls, C H Kinch Co, Lady Nelson, St Vincent
NAPHTHALENE—1,050 bgs, 246,144 lbs, Black Heron, Antwerp
OCHER—200 bgs, 10,582 lbs, Excambion, Marseilles
37 cks, 25,180 lbs, Reichard-Coulston, Excambion, Marseilles
OIL, ALMOND—5 drms, American Merchant, London
ANTI-TAR—1 bbl, 500 lbs, Gillet Carbonizing Co, Black Heron, Antwerp
COD—50 cks, W J Dodge Co, Newfoundland, St John's, N F
100 cks, from Newfoundland
100 dms, Atlantic Coast Fisheries Export Corp, Newfoundland, Halifax
CODLIVER—15 dms, Marden Wild Corp, Newfoundland, St John's, N F
CORN—50 dms, 23,481 lbs, Black Heron, Antwerp
FUEL—33,500 bbls, Colonial Beacon Oil Co, George G Henry, Aruba
OLIVE—100 dms, 47,753 lbs, Leghorn Trading Co, Excambion, Piraeus
PALM—411 tons, Lossiebank, Belawan Deli
OSSEIN—1,000 bgs, 111,993 lbs, from Belgium
3,050 bgs, 453,472 lbs, Black Heron, Antwerp
PEATMOSS—1,760 bls, Premier Peat Moss Corp, Maasdam, Rotterdam
PEPPER—80 bgs, Volkart Bros, Springbank, Calicut
PETROLEUM, CRUDE—34,859 bbls, 5,257 tons, Colonial Beacon Oil Co, George G Henry, Las Piedras
POLISH, METAL—8 cs, American Express Co, American Merchant, London
QUEBRACHO EXTRACT—20,000 bgs, 2,185,347 lbs, American Tanners, East Indian, Buenos Aires
SAND, FURNACE—400 bgs, 60,406 lbs, Black Heron, Rotterdam
SAWDUST—588 bgs, 68,188 lbs, State Chemical Co, Black Heron, Rotterdam
SHELLAC—30 cs, 5,681 lbs, Black Heron, Rotterdam
35 cs, Manaar, Calcutta
175 cs, Guaranty Trust Co, Manaar, Calcutta
10 cs, A Hurst & Co, Maasdam, Rotterdam
50 bgs, Guaranty Trust Co, City of Pittsburg, Calcutta
200 bgs, Grace National Bank, City of Pittsburg, Calcutta
50 bgs, Chase National Bank, City of Pittsburg, Calcutta
BUTTONLAC—125 bgs, Chase National Bank, City of Pittsburg, Calcutta
50 chsts, City of Pittsburg, Calcutta
SEEDLAC—100 bgs, City of Pittsburg, Calcutta
SOAP—50 cs, 2,072 lbs, Conti Products Corp, Excambion, Leghorn
TOILET—34 cs, S S Pierce Co, American Merchant, London
63 cs, T D Downing Co, American Merchant, London
SODA, HYDROSULPHITE—20 kgs, 1 ton, 2 cwt, 16 lbs, Lever Bros, Newfoundland, Liverpool
STARCH, CHEMICALLY TREATED—560 bgs, 61,729 lbs, A M Meincke & Son, Black Heron, Rotterdam
150 bgs, Maasdam, Rotterdam
POTATO—2.0 bgs, 55,115 lbs, Black Heron, Rotterdam
TALC—200 bgs, Noto, Dairen
TAPIOCA FLOUR—502 pkgs, H P Winter & Co, Lossiebank, Cheriboon
1,357 bgs, 280,533 lbs, National City Bank, Maron, Sourabaya
500 bgs, 111,914 lbs, H P Winter & Co, Maron, Cheribon
505 bgs, 110,372 lbs, Chase National Bank, Maron, Batavia
250 bgs, 55,157 lbs, Quaranty Trust Co, Maron, Batavia
500 bgs, Stein, Hall & Co, Silverash, Tjilatjap
3,295 bgs, National City Bank, Kota Pinang, Sourabaya
TARTAR—100 bgs, 22,376 lbs, from Belgium
TRICHLORETHYLENE—10 dms, 6,878 lbs, Excambion, Marseilles
TURMERIC—32 bgs, Volkart Bros, Springbank, Alleppey
WATER, MINERAL—75 cs, S S Pierce Co, American Merchant, London
WAX, BEES—19 bls, Frank B Ross & Co, Maasdam, Rotterdam
WHITING—500 bgs, 55,115 lbs, Nicholas H Weitzner, Black Heron, Antwerp
ZINC CHLORATE—28 cyls, 16,067 lbs, Philipp Bros, Black Heron, Antwerp

Houston Imports

COPPERAS—5 bgs, Cripple Creek, Antwerp
MILK, POWDER, SKIMMED—100 bgs, Breedijk, Rotterdam
PEPPER—200 bgs, Cripple Creek, Antwerp
POTASH, MANURE, SALT—1 lot, Louisiane, Antwerp
SOAP, INDUSTRIAL—5 dms, Cripple Creek, Rotterdam

Los Angeles Imports

AGAR AGAR—50 lbs, Tatsuta, Yokohama
480 lbs, Kano, Yokohama
BONE MEAL — 200,000 lbs, China, Dairen
100,000 lbs, Tohsei, Dairen
CHALK, CRUDE—280,000 lbs, Loch Katrine, London
CHEMICAL COMPOUND — 110 lbs, Tatsuta, Kobe
2,140 lbs, Kano, Yokohama
280 lbs, Tatsuta, Yokohama
CHILLIES—10,000 lbs, China, Kobe
CHROME ALUM — 11,410 lbs, Loch Katrine, Frankfort
COALTAR PROD—10 lbs, Asosan, Kobe
COCOABUTTER—660 lbs, from London
COCOA MEAL — 224,000 lbs, Loch Katrine, Brussels
WASTE—500,000 lbs, Loch Katrine, Holland
COCONUT DESIC—49,900 lbs, Tai Ping Yang, Zamboanga
330,000 lbs, Tai Ping Yang, Manila
COPRA—454,720 lbs, Adm Halstead, Cebu
1,532,160 lbs, Adm Halstead, Manila
391,150 lbs, Adm Halstead, Apra, Guam
MEAL—630,000 lbs, Tasmania, Manila
CORIANDER SEED—5,400 lbs, from Casablanca
COTTONSEED MEAL — 200,000 lbs, China, Kobe
250,000 lbs, Tohsei, Kobe
200,000 lbs, Koryu, Kobe
CUMIN SEED — 37,810 lbs, from Casablanca
DAMIANA LEAVES—3,150 lbs, Sinaloa, Mexico
DRUGS, CRUDE — 11,960 lbs, Tatsuta, Yokohama
FERTILIZER — 224,000 lbs, Hopecrest, Calcutta
SUBSTANCE—300,000 lbs, Koryu, Yokohama
FISH LIVERS—20,000 lbs, Tai Ping Yang, Yokohama
FLAXSEED—2,246,310 lbs, Hincanger, Buenos Aires
FLEASEED—6,610 lbs, from Marseilles
GINGER ROOT—5,940 lbs, Pacific Pioneer, Freetown
GLASS, WINDOW—4 cs, 1,280 lbs, Modavia, Birmingham
HERBS, CRUDE—10 lbs, Kano, Yokohama
100 lbs, Asosan, Kobe
LIME, PROCESSED—69,300 lbs, Rosebank, Canada
LINSEED, MEAL—100,000 lbs, Tatsuta, Kobe
MEDICINAL PREPS—240 lbs, Asosan, Kobe
20 Es, Asosan, Kobe
NUTMEGS—10,000 lbs, Bretagne, Port Spain
OIL, COTTONSEED—1,344,000 lbs, Tai Ping Yang, Shanghai
279,480 lbs, Hindanger, Permanbuco
3,180 lbs, Kwansai, Kobe
223,680 lbs, Hindanger, San Paulo
302,120 lbs, Tatsuta, Kobe
94,400 lbs, Golden Hind, Tientsin
ESSENTIAL—10 lbs, From London
10 lbs, From London
EXPRESSED—39,600 lbs, Tohsei, Japan
HAIR—160 lbs, Asosan, Kobe
OLIVE—6,110 lbs, President Wilson, Genoa
SESAME—460 lbs, Kano, Yokohama
SOYBEAN—1,137,470 lbs, Tohsei, Dairen
TEASEED—627,200 lbs, President Taft, Hankow
PEANUT, MEAL—100,000 lbs, China, Kobe
640,000 lbs, China, Tsingtao
PERILLA SEED, MEAL—200,000 lbs, Tohsei, Kobe
QUEBRACHO EXTRACT—16,270 lbs, Hincanger, Buenos Aires
RESIN, VINYL—1,000 lbs, From Montreal
RICE BRAN, MEAL—99,960 lbs, Tohsei, Kobe
50,000 lbs, Tohsei, Tokyo
FLOUR—250 lbs, Koryu, Kobe
1,150 lbs, Tatsuta, Yokohama
SARDINE MEAL—500,000 lbs, Koryu, Kobe
SESAME SEED—200 lbs, Kano, Yokohama
MEAL—200,000 lbs, Koryu, Kobe
200,000 lbs, Tousei, Kobe
SOAP POWDER—30 lbs, Asosan, Kobe
TOILET—60 lbs, From Vienna
SOYBEAN MEAL—900,000 lbs, China, Dairen
200,000 lbs, Tohsei, Dairen
STARCH, POTATO—240 lbs, Asosan, Kobe
50 lbs, Tatsuta, Yokohama
SUPERPHOSPHATE—82,880 lbs, Koryu, Kobe
TOILET PREPS—300 lbs, Koryu, Kobe
WHITING—13,230 lbs, China, Osaka

Mobile Imports

BAUXITE ORE — 2,130 tons, Thyra, Paramaribo

New Orleans Imports

BAUXITE ORE—2,830 tons, 2 cs, Vestvangen, Paramaribo
CALCIUM ARSENATE — 560 dms, Venice, Kobe
COCONUTS—2 sx, F Beyer, Vestvangen, Paramaribo
100 sx, Whitney Bank, Vestvangen, Paramaribo
GLASS, SHEET—2 cs, Breedijk, Antwerp
WINDOW—182 cs, I C R R, Louisiane, Antwerp
248 cs, Louisiane, Antwerp
MOLASSES—649,639 gls, Commercial Molasses Corp, Suderholm, Port Vita
1,385,000 gls, Commercial Molasses Corp, Ruth Kellogg, Preston
530,050 gls, Commercial Molasses Corp, Suderholm, Port Nipe
1,687,441 gls, Commercial Molassee Corp, Gyife, Cienfuegos
1,278,917 gls, Commercial Molasses Corp, Jenny, Banes
823,155 gls, Commercial Molasses Corp, Amolco, Banes
OIL, CREOSOTE—1,921 tons, B Lembcke Co, Gustf E Reuter, Manchester
LINSEED—2 dms, M Simon, Breedijk, Rotterdam
OLIVE—1 dm, Breedijk, Rotterdam
PYRETHRUM FLOWER—250 bls, Lusk Shipping Co, Venice, Kobe
PYRETOXIN—6 dms, Sixaola, Cristobal
SALTCAKE—504 tons, Bank of Manhattan, Louisiane, Antwerp
VANILLA BEANS—31 cs, Weinberger Banana Co, Mammy, Puerto Mexico

Norfolk Imports

GYPSUM ROCK—2,100 tons, F S Royster Guano Co, Ulva, Walton
KIESERITE—1,500 bgs, 148 tons, City of Havre, Hamburg
PEATMOSS—1,355 bls, 300 half bls, 122 tons, City of Havre, Hamburg
130 bls, 30 half bls, Gulfpool, Takoradi
SODA NITRATE—1,786 tons, Chilean Nitrate Sales Corp, Tonsbergfjord, Antofagasta
TAPIOCA FLOUR—1,500 bgs, 152 tons, H P Winter & Co, Thurland Castle, Batavia

Philadelphia Imports

ACID, GROUNDNUT, OIL—60 dms, Maasdam, Rotterdam
ILLIPE FATTY—120 bbls, Maasdam, Rotterdam
NAPHTHALENIC—36 dms, A E Starkie & Co, Exchester, Constanza
PEANUT FATTY—30 bbls, Black Eagle, Rotterdam
SOYBEAN OIL—148 bbls, Black Eagle, Rotterdam
114 bbls, Rydboholm, Gothenburg
110 dms, George A Street & Co, Black Eagle, Rotterdam
329 dms, Maasdam, Rotterdam
149 bbls, Maasdam, Rotterdam
ARSENIC—40 bbls, Rydboholm, Gothenburg
BAUXITE—1,1681 tons, General Chemical Co, Ingrid, Georgetown
BONE MEAL—1,110 bgs, Barbarigo, Fiume
1,120 bgs, T M Duche & Son, Black Eagle, Antwerp
2,208 bgs, Wessel, Duval & Co, Black Eagle, Antwerp
CARAWAY SEED—50 bgs, Levy & Levis, Maasdam, Rotterdam
CHEMICALS—200 dms, F B Vandegrift & Co, Black Eagle, Rotterdam
1,350 dms, J W Hampton, Jr, & Co, Black Eagle, Rotterdam
200 dms, F B Vandegrift & Co, Maasdam, Rotterdam
1 dm, 1 tin, Pen-Chlor, Inc, Maasdam, Rotterdam
CHROME ORE—1,000 tons, Bank of Athens, Exchester, Aghia Marina
2,657 tons, E J Lavino, Karlander, Pastellilo
CLAY—100 cks, Adolphe Hurst & Co, Black Eagle, Rotterdam
COLOR, PIGMENT—2 cks, Wm J Jones & Co, Maasdam, Rotterdam
CORK, REFUSE—1,217 bls, Armstrong Cork Co, Fernbank, Bona
1,020 bls, Wicander & Co, Executive, Lisbon
2,400 bls, Armstrong Cork Co, Exmoor, Seville
VIRGIN — 1,322 bls, Armstrong Cork Co, Fernbank, Bona
3,469 bls, Armstrong Cork Co, Fernbank, Djidjelli
159 bls, Armstrong Cork Co, Cypria, Lisbon
WASTE—84 bls, Armstrong Cork Co, Exmoor, Seville
930 bls, Armstrong Cork Co, Cypria, Marseilles
178 bls, Crown Cork & Seal Co, Cypria, Marseilles
310 bls, Central Hanover Bank & Trust Co, Cypria, Casablanca
CORK, WASTE—342 bls, Armstrong Cork Co, Cypria, Lisbon
WOOD—350 bls, Armstrong Cork Co, Exmoor, Seville
CORKS—38 sks, Armstrong Cork Co, Exmoor, Seville
DILLSEED—88 bgs, Silverpine, Bombay
EARTH, RED—50 cks, J Lee Smith Co, Maasdam, Rotterdam
FLINT, PEBBLES—500 bgs, Buebendorf Bros, Sagaporack, Copenhagen
FLUX, ASPHALT—74,009 bbls, Sinclair Refining Co, Swiftarrow, Tampico
GALLNUTS—175 bgs, Taylor White Extracting Co, Shinko, Shanghai
GLYCERIN, CRUDE — 20 dms, Sagaporack, Copenhagen
20 dms, Black Eagle, Rotterdam
50 dms, Nienburg, Buenos Aires
110 csks, Cypria, Marseilles
DYNAMITE — 50 dms, Black Eagle, Rotterdam
GREAVE CAKES — 392 cakes, Nienburg, Buenos Aires
GYPSUM, CRUDE — 4,850 tons, United States Gypsum Co, Gypsum Prince, Windsor
LICORICE ROOT—6,289 bls, Exchester, Izmir
13,849 bls, McAndrews & Forbes Co, Lica Maersk, Basrah
MAGNESITE, CALC — 495 bgs, Executive, Salonica
MOLASSES — 600,610 gls, Gloxinia, Guantanamo
279,768 gls, Gloxinia, Antilla
MUSTARD SEED — 672 bgs, Shinko, Tientsin
311 bgs, R T French Co, Katsuragi, Tientsin
311 bgs, Katsuragi, Tientsin
NAPHTHALENE—1,250 bgs, J W Hampton & Co, Sagaporack, Gdynia
OIL, CODLIVER—50 dms, Baugh & Sons, Black Eagle, Rotterdam
CORN—150,000 kos, Black Eagle, Rotterdam
192 dms, Black Eagle, Antwerp
CREOSOTE — 1 dm samples, The Barrett Co, Maasdam, Rotterdam
FUEL—2,679,065 gls, Socony Vacuum Oil Co, Inc, Dean Emery, Aruba
OLIVE—50 dms, Cypria, Marseilles
350 cs, Barbarigo, Leghorn
120 cs, Felix Spatola, Barbarigo, Genoa
125 cs, Fernbank, Genoa
270 cs, Psaki Bros, Fernbank, Leghorn
100 cs, Banco de Napoli Trust Co, Exmoor, Seville
425 cs, Comes Trading Co, Exmoor, Seville
50 dms, Philadelphia National Bank, Exmoor, Oran
PERILLA—150 dms, W R Grace & Co, Shinko, Nagoya
SULPHUR OLIVE—203,175 kos, Philadelphia National Bank, Livenza, Bougie
114,960 kos, Philadelphia National Bank, Livenza, Oran
OHTSNASHI BEANS—1,000 bgs, M S Couren, Shinko, Yokohama
OLEIN—100 dms, Micheli Export Co, Black Eagle, Rotterdam
OSSEIN—728 bgs, Black Eagle, Antwerp
PEATMOSS—4,531 bls, Premier Peat Moss Corp, Maasdam, Rotterdam
PETROLEUM, CRUDE — 92,368 bbls, Gulf Oil Corp, Gulfwax, Las Piedras
POPPYSEED—50 bgs, Levy & Levis, Maasdam, Rotterdam
PYRITES ORE — 7,562 tons, Uganda, Huelva
SAND, FURNACE—1,200 bgs, Black Eagle, Rotterdam
SARDINE MEAL—1,000 bgs, Wilbur-Ellis & Co, Katsuragi, Kobe
SESAME SEED—165 bgs, Silverpine, Bombay
TANKAGE—933 bgs, Swift & Co, Nienburg, Montevideo
537 cakes, Philadelphia National Bank, Nienburg, Buenos Aires
2,908 bgs, Nienburg, Buenos Aires
ZINC-AMMONIUM CHLORIDE — 21 csks, American Cyanide & Chemical Corp, Black Eagle, Antwerp

Portland, Ore., Imports

COPRA—500 tons, Durkee Famous Foods, Inc, Illinois, Cebu
MEAL—4,509 sks, Procter & Gamble Mfg Co, Illinois, Manila

San Francisco Imports

ACID, FATTY—75 sks, Echeguren & Co, Koryu, Yokohama
ALCOHOL—900 dms, Maunalei, Honolulu
914 dms, Maui, Honolulu
ETHYL—100 dms, Maui, Honolulu
ANISE—20 sks, Leme, Marseilles
ANTIMONY ORE—220 sks, Bank of London & South Africa, Marie Bakke, Mollendo
ARGOLS—975 sks, Leme, Naples
CALCIUM COMPOUND—440 cs, International Trading Co, Koryu, Yokohama
CAMPHOR—2 cs, Pacific Trading Co, Koyei, Kobe
CHARCOAL—40 crts, K Sakai Co, Koryu, Yokohama
CHEMICALS—72 cks, Schwaben, Hamburg
40 bbls, Ore & Chemical Corpn, Schwaben, Antwerp (for Oakland)
CHILLIES—400 sks, S L Jones & Co, China, Tsingtao
CINNAMON QUILLS—100 bls, D Hecht & Co, General Sherman, Hongkong
CLAY—10 sks, L A Salomon & Bros, Schwaben Hamburg
COPRA—2,368 sks, Manulani, Honolulu
COTTONSEED MEAL—2,000 sks, M W Park & Co, Koryu, Kobe
CUMIN SEED—50 sks, Leme, Marseilles
DEGRAS—40 dms, California Bank, Tatsuta, Yokohama
DENTIFRICE—7 cs, North American Mercantile Co, Tatsuta, Yokohama
FERTILIZER—2,000 sks, International Trading Co, Koyei, Yokohama
COMPOUND—2,000 sks, International Trading Co, Koryu, Yokohama
FILTER COMPOUND—30 bls, A Gusmer, Schwaben, Bremen
GINGER ROOT—6 cs, Manulani, Honolulu
18 pkgs, General Sherman, Hongkong
GLASS, WINDOW—500 cs, Cobbledick-Kibbe Glass Corpn, Schwaben, Antwerp
435 cs, Pacific Manufacturing Co, Schwaben, Antwerp
21 cs, Smith Bros Glass Co, Schwaben, Antwerp
17 cs, J Henry Schroeder Banking Corpn, Schwaben, Antwerp
500 cs, Western Door & Sash Co, Schwaben, Antwerp (for Oakland)
GUM COPAL—245 sks, France, Campbell & Darling, General Sherman, Manila
ELEMI—81 cs, France, Campbell & Darling, General Sherman, Manila
HEMPSEED MEAL—2,800 sks, Taylor Milling Corpn, Koyei, Kobe
3,000 sks, Taylor Milling Corpn, China, Nagoya
1,000 sks, Taylor Milling Corpn, Koryu, Kobe
INK—160 cs, Columbia Co, General Sherman, Hongkong
IRON OXIDE—15 bbls, Richard Coulston, Modavia, Liverpool
LEAVES, MEDICINAL—2 bls, 30 sks, Leme, Marseilles
LINSEED MEAL—2,000 sks, Taylor Milling Corpn, Koyei, Kobe
410 sks, Durkee Famous Foods, China, Nagoya
MEDICINAL PREPS—5 cs, Pacific Trading Co, Koyei, Kobe
1 cs, Pacific Trading Co, Koyei, Yokohama
1 cs, S Ishmitsu Co, Tatsuta, Yokohama

MEDICINAL PREPS—2 cs, North American Mercantile Co, Tatsuta, Yokohama
MOLASSES—500 tons, Malama, Hilo
1,000 tons, Maunalei, Honolulu
2,074,000 lbs, Maliko, Mahukona
2,000,000 lbs, Maui, Honolulu
NUTMEGS—80 sks, Crocker First National Bank, Bretagne, Trinidad
OIL, CHINAWOOD—25 dms, Hecht & Co, Tatsuta, Hongkong
50 dms, J L Dirickx, Tatsuta, Shanghai
COTTONSEED—350 dms, Pacific Vegetable Oil Corpn, China, Kobe
149 tons, Durkee Famous Foods, Tatsuta, Kobe
100 dms, Durkee Famous Foods, Tatsuta, Tientsin
COTTONSEED, SEMI-REFD — 314,160 lbs, Durkee Famous Foods, Koyei, Kobe
322,072 lbs, Pacific Vegetable Oil Corpn, Koryu, Kobe
EUCALYPTUS—5 dms, H M Newhall & Co, Koyei, Kobe
FISH, HARDENED—100 sks, Willits & Co, Tatsuta, Yokohama
MUSTARD SEED—150 dms, Balfour, Guthrie & Co, Tatsuta, Kobe
150 dms, Balfour, Guthrie & Co, Koryu, Kobe
OLIVE—150 dms, Leme, Marseilles
220 dms, Leme, Leghorn
PEANUT—50 cs, Woo Kee Co, General Sherman, Hongkong
50 cs, Sang Wo, General Sherman, Hongkong
170 cs, Fung Chong, General Sherman, Hongkong
150 cs, Columbia Co, General Sherman, Hongkong
PERILLA, CRUDE — 322,629 lbs, Pacific Vegetable Oil Corpn, Koyei, Kobe
PERILLA, CRUDE, REFD—150 dms, Pacific Vegetable Oil Corpn, Koyei, Kobe
150 dms, Pacific Vegetable Oil Corpn, Koyei, Yokohama
SESAME—200 dms, Durkee Famous Foods, Koyei, Kobe
SOYBEAN, REFD—250 tins, Tatsuta, Dairen
SPERM SKIN—50 dms, S L Jones & Co, China, Kobe
VEGETABLE—10 cs, S Ishimitsu Co, Koyei, Kobe
50 cs, International Trading Co, Koyei, Yokohama
OILCAKE MEAL—400 sks, Enomoto & Co, Koyei, Kobe
PEANUT MEAL—1,500 sks, Balfour, Guthrie & Co, Koyei, Yokohama
4,250 sks, Mitsubishi Shoji Kaisha, China, Tsingtao
500 sks, Mitsui & Co, China, Tsingtao
200 sks, Balfour, Guthrie & Co, China, Tsingtao
PEANUTS—200 sks, Balfour, Guthrie & Co, China, Tsingtao
PEATMOSS—1,100 bls, Peat Import Corp, Schwaben, Bremen
1,000 bls, Peat Import Corp, Schwaben, Bremen (for Oakland)
PERILLA MEAL—2,000 sks, S L Jones & Co, Koyei, Kobe
POTASH CHLORATE—99 dms, Chas Hardy, Schwaben, Antwerp
250 dms, Wilson & George Meyer & Co, Schwaben, Hamburg (for Oakland)
SARDINE MEAL—1,500 sks, Durkee Famous Foods, Koyei, Kobe
2,000 sks, Balfour, Guthrie & Co, Koyei, Kobe
2,000 sks, Wm J Horstmann, Koyei, Kobe
1,000 sks, Taylor Milling Corp, Koyei, Kobe
1,000 sks, Taylor Milling Corp, Koyei, Yokohama
1,000 sks, Mitsui & Co, Koyei, Yokohama
4,000 sks, Ashcraft Wilkinson Co, Koyei, Yokohama
2,000 sks, S L Jones & Co, Koryu, Yokohama
SARDINE MEAL—1,000 sks, M W Park & Co, Koryu, Yokohama
2,000 sks, Ashcraft Wilkinson Co, Koryu, Yokohama
4,000 sks, Otto Sales Co, Koryu, Kobe
1,000 sks, Mitsui & Co, Koryu, Kobe
500 sks, Durkee Famous Foods, Koryu, Kobe
2,000 sks, Taylor Milling Corp, Koryu, Kobe
SESAME MEAL—1,000 sks, Durkee Famous Foods, Koyei, Kobe
3,000 sks, Balfour, Guthrie & Co, Koyei, Kobe
1,000 sks, Durkee Famous Foods, Koryu, Yokohama
1,000 sks, Durkee Famous Foods, Koryu, Kobe
SEED—237 sks, D Hecht & Co, General Sherman, Hongkong
SIENNA—15 cks, Leme, Leghorn
SOAP, TOILET—5 cs, Pacific Trading Co, Koyei, Yokohama
1 cs, Hinomoto Co, Tatsuta, Yokohama
SODA, BICARBONATE—200 bbls, Pacific Natl Bank, Tatsuta, Kobe
SOYBEAN MEAL—2,000 sks, Mitsubishi Shoji Kaisha, China, Dairen
STARCH—51 cs, Woo Kee Co, General Sherman, Hongkong
STEARIN—200 sks, Otis, McAllister & Co, Koryu, Yokohama
SULPHUR FLOWERS — 1,700 sks, Leme, Naples
SUPERPHOSPHATE, DOUBLE — 800 sks, Taylor Milling Corp, Koryu, Kobe
TALC—300 sks, Tatsuta, Shanghai
TALLOW—3 bbls, Manulani, Hilo
6 dms, Maui, Kahului
VEGETABLE—231 pkgs, Bank of California, N A, Tatsuta, Shanghai
TAR, DEHYDRATED—150 dms, C J Hendry Co, Modavia, Glasgow
TOILET PREP'S—18 pkgs, North American Mercantile Co, Koyei, Yokohama
1 cs, Nippon Co, Koyei, Yokohama
2 cs, North American Mercantile Co, Tatsuta, Yokohama
WAX, BEES—7 cs, Maliko, Kahului

Savannah Imports

CHEMICALS—250 bgs, 40 bbls, Shickshinny, Hamburg
FERTILIZER, NITROGENOUS — 1,500 bgs, Michigan, Antwerp
SALTPETER—10 bgs, Shickshinny, Hamburg
SODA NITRATE—8,397,300 kilos, Elink, Tocopilla

Seattle Imports

COLORING—1 ck, A Gusmer, Schwaben, Hamburg
PEATMOSS—600 bls, Peat Import Corp, Schwaben, Bremen
POTASH, MURIATE—91,000 kilos, Wilson & George Meyer & Co, Schwaben, Bremen
250 sks, Wilson & George Meyer & Co, Schwaben, Hamburg

Tacoma Imports

ANTIMONY ORE—12,868 sks, Bank of London & South Africa, Marie Bakke, Mollendo
POTASH, MURIATE—250 sks, Wilson & George Meyer & Co, Schwaben, Hamburg

Tampa Imports

TOILET PREPS—6 ctns, Cuba, Havana

Exports from U.S.Ports

New York Exports

Clearance Dates

Ada, May 1; Amapala, May 14; American Banker, May 14; American Traveler, May 8; Aquitania, May 11; Black Gull, May 13; Black Hawk, May 5; Calliope, May 20; City of Hankow, May 13; City of Manila; May 7; Collamer, May 15; Conte Savoia, May 14; Cubano, May 15; Drottningholm, May 14; Europa, May 14; Georgic, May 14; Gypsum Empress, May 22; Hamburg, May 12; Henry Stanley, May 10; Ile de France, May 12; Komaki, May 3; Macabi, May 17; Musa, May 14; Nojima, May 12; Peten, May 13; President Harding, April 27; President Roosevelt, May 12; San Jacinto, May 15; Santa Maria, April 30; Scanmail, May 8; Scanyork, May 15; Severoles, May 15; Siamese Prince, May 11; Thalia, May 20; Tuscania, May 14; Ulua, May 15; Velox, May 12; West Kebar, May 1

ACETONE—(Scanyork) 10,375 lbs, Malmo; 2,490 lbs, Stockholm; 31,125 lbs, Helsingfors
ACID CITRIC—(Ulua) 1,107 lbs, Kingston; 125 lbs, Buenaventura
FORMIC—19,013 lbs, Henry Stanley, Marshall
MURIATIC—18,500 lbs, Musa, Tela
PHOSPHORIC—11,777 lbs, Svaneholm, Stockholm
SULPHURIC—3,362 lbs, Ada, Trinidad; 628 lbs, Macabi, Banes
TARTARIC—115 lbs, Ulua, Buenaventura
ALCOHOL, BUTYL—2,095 gls, Collamer, Havre
ALOIN—875 lbs, American Banker, London
AMMONIA ANHYDROUS—1,099 lbs, Macabi, Banes
SULPHATE—(Ada) 563,250 lbs, St Kitts; 136,283 lbs, St Lucia
ASPHALT—66,293 lbs, Svaneholm, Helsingfors; 43,662 lbs, City of Manila, Sydney; 7,068 lbs, Georgic, London
LIQUID—12,673 lbs, Scanmail, Helsingfors
SOLID—20,750 lbs, Scanmail, Bergen
BAKING POWDER—21,150 lbs, American Traveler, Havre
BICHROMATES—33,872 lbs, American Traveler, Havre
BLACK, BONE—(American Traveler) 1,500 lbs, Havre; 1,500 lbs, Hamburg
BENZOL—2,750 gls, Cubano, Buenos Aires
BLOOD, DRIED—33,100 lbs, Scanmail, Kotka; (Scanyork) 24,300 lbs, Wiborg; 22,100 lbs, Kotka; 22,100 lks, Hamburg, Hamburg
BLUE, LAUNDRY—825 lbs, Peten, Cienfuegos
ULTRAMARINE — 2,660 lbs, Santa Maria, Buenaventura
BUTYL ACETATE — 49,694 lbs, Collamer, Havre
CARBON TETRACHLORIDE—12,435 lbs, Tuscania, Glasgow; 45,300 lbs, Velox, Buenos Aires
CEMENT, WATERPROOF—10,230 lbs, Collamer, St Nazaire
CHEMICALS—6,220 lbs, Severoles, London; 61,256 lbs, Collamer, Havre; 1,724 lbs, Scanyork, Malmo; (City of Manila) 5,882 lbs, Sydney; 21,065 lbs, Melbourne; 18,821 lbs, American Banker, London; 1,024 lbs, Ulua, Porto Colombia
CLAY—6,120 lbs, Velox, Montevideo; 20,400 lbs, American Banker, London
COALTAR—1,140 lbs, Ada, Grenada
INTERMEDIATES—966 lbs, President Harding, Hamburg; 21,441 lbs, Nojima, Kobe-Osaka
COLOR, DRY—6,190 lbs, Velox, Buenos Aires
CORN FLOUR—4,502 lbs, Santa Maria, Callao; 4,625 lbs, Hamburg, Hamburg
SUGAR—10,100 lbs, Black Gull, Rotterdam
SYRUP—470 lbs, San Jacinto, Aguadilla; 4,575 lbs, Musa, Porto Barrios
DEXTRIN, CORN—15,150 lbs, Cubano, Buenos Aires
DICHLORODIFLUOROMETHANE — 3,221 lbs, Scanmail, Copenhagen; 10,775 lbs, Velox, Buenos Aires
DISINFECTANT, COALTAR—10,595 lbs, Ulua, Cartagena; 2,080 lbs, Macabi, Banes
DRUGS—2,762 lbs, American Banker, London
DYES—(Scanmail) 3,901 lbs, Gothenburg; 3,163 lbs, Helsingfors; 5,372 lbs, Scanyork, Malmo; 3,977 lbs, President Harding, Hamburg; 551 lbs, Nojima, Kobe; (Velox) 1,522 lbs, Montevideo; 1,107 lbs, Buenos Aires; 17,102 lbs, Black Gull, Rotterdam; (Black Heron) 3,062 lbs, Brussels; 5,699 lbs, Rotterdam; (Hamburg) 12,517 lbs, Hamburg; 2,765 lbs, Reichenberg; 18,486 lbs, Gothenburg; 8,642 lbs, City of Hankow, Bombay
ECHINACCA ROOT—572 lbs, American Banker, London
FERTILIZER—22,680 lbs, Ada, Grenada
GASOLINE—(Henry Stanley) 10,000 gls, Marshall; 50 gls, Boma; (West Kebar) 26,500 gls, Dakar; 10,000 gls, Marshall
AVIATION—13,805 gls, City of Manila, Fremantle
GELATIN—24,410 lbs, City of Manila, Melbourne
GLUCOSE—2,048 lbs, Ulua, Kingston
GLUE—1,145 lbs, Velox, Buenos Aires
ANIMAL—546 lbs, Aquitania, Southampton
DRY—1,000 lbs, San Jacinto, San Juan
SHEET—3,523 lbs, Peten, Havana
GLYCERIN—2,591 lbs, Svaneholm, Stockholm; 3,879 lbs, Hamburg, Basle; 2,520 lbs, Ulua, Cartagena
GREASE, LUBRICATING—3,000 lbs, Aquitania, Southampton; 66,355 lbs, Tuscania, Glasgow; (Scanmail) 4,580 lbs, Copenhagen; 2,634 lbs, Helsingfors; 90,066 lbs, General Gassouin, La Mailleraye; 2,925 lbs, Ada, Trinidad; (Severoles) 30,102 lbs, London; 62,370 lbs, Nottingham; (Collamer) 22,930 lbs, Havre; 28,483 lbs, St Nazaire; 30,421 lbs, Bordeaux; 14,489 lbs, Scanyork, Stockholm; 1,322 lbs, Svaneholm, Malmo; (President Harding) 4,621 lbs, Havre; 5,150 lbs, Prague; (Nojima) 28,200 lbs, Kobe; 141,000 lbs, Yokohama; 979 lbs, American Traveler, Hamburg; 10,142 lbs, Ile de France, La Rochelle; (City of Manila) 54,465 lbs, Sydney; 24,842 lbs, Melbourne; 22,445 lbs, Fremantle; 36,488 lbs, Santa Maria, Callao; 1,920 lbs, President Roosevelt, Havre; 7,285 lbs, Cubano, Asuncion; 2,125 lbs, Black Hawk, Antwerp; (Hamburg) 241,884 lbs, Hamburg; 31,164 lbs, Oslo; 37,680 lbs, Siamese Prince, Manila; 1,210 lbs, Ulua, Kingston; 735 lbs, Musa, Porto Barrios; (Henry Stanley) 890 lbs, Takoradi; 3,854 lbs, Duala; 9,180 lbs, Matadi; (City of Hankow) 4,840 lbs, Alexandria; 7,140 lbs, Bombay; 3,140 lbs, Colombo; 18,220 lbs, Rangoon; (West Kebar) 258 lbs, Dakar; 1,351 lbs, Conakry
HERBS—1,000 lbs, American Traveler, Hamburg
INFUSORIAL EARTH — 50,600 lbs, Black Hawk, Antwerp
INK, PRINTING—7,623 lbs, President Harding, Havre
INSECTICIDE—626 lbs, West Kebar, Cotonou
AGRICULTURAL — (Scanmail) 3,026 lbs, Viipuri; 30,080 lbs, Helsingfors; (Scanyork) 8,240 lbs, Stockholm; 12,070 lbs, Helsingfors; 40,434 lbs, Black Gull, Rotterdam; 57,000 lbs, Gypsum Empress, Windsor
IODINE, CRUDE—1,340 lbs, Georgic, London
IRON OXIDE — 3,859 lbs, Scanmail, Copenhagen
ISOPROPYL ACETATE—10,825 lbs, American Traveler, Havre
ETHER—38,200 lbs, Collamer, Havre
KEROSENE—300 gls, Ada, St Bartha; (West Kebar) 6,260 gls, Dakar; 5,000 gls, Conakry; 10,000 gls, Marshall
LACQUER—1,520 lbs, Velox, Buenos Aires
PASTE—30,114 lbs, Severoles, London
LARD—52,729 lbs, Aquitania, Southampton; 48,272 lbs, Tuscania, Glasgow; 24,180 lbs, Conte Savoia, Naples; (Svaneholm) 6,733 lbs, Gothenburg; 6,771 lbs, Malmo; 14,000 lbs, Amapala, Santiago; 26,250 lbs, Peten, Havana; 35,163 lbs, American Banker, London; 8,025 lbs, Macabi, Banes; (San Jacinto) 3,100 lbs, Ponce; 80,025 lbs, Mayaguez
LEAD, BLUE SUBLIMED—4,715 lbs, Drottningholm, Stockholm
LINSEED CAKE — 1,119,988 lbs, President Harding, Hamburg; 790,872 lbs, American Traveler, Havre; 3,459,848 lbs, Black Gull, Rotterdam; 1,117,607 lbs, President Roosevelt, Hamburg; 225,274 lbs, Black Hawk, Antwerp
LUBRICANTS — 52,114 lbs, City of Manila, Brisbane
MAGNESIA, METALLIC—24,775 lbs, Georgic, London
MALEIC ANHYDRIDE—26,019 lbs, American Banker, London
METHYL AMYL ACETATE—862 lbs, American Banker, London
METHYL CHLORIDE — 4,529 lbs, Velox, Buenos Aires
METHYLENE CHLORIDE—3,430 lbs, Velox, Buenos Aires
NAPHTHA — (City of Manila) 13,200 gls, Sydney; 8,195 gls, Melbourne; 550 gls, Black Hawk, Amsterdam; (Henry Stanley) 20,000 gls, Dakar; 8,500 gls, Port Bouet; 51,100 gls, Winnebah; 2,750 gls, Apapa; 1,100 gls, Libreville; 15,500 gls, Port Gentil; 500 gls, Matadi; (West Kebar) 3,000 gls, Dakar; 40,000 gls, Conakry; 155,000 gls, Port Bouet; 12,750 gls, Cape Coast; 10,500 gls, Addah; 7,500 gls, Cotonou
OIL, CARNATION BLOSSOM — 1,273 lbs, American Trader, Hamburg
CASTOR—510 lbs, Ulua, La Union; 290 lbs, Musa, Porto Barrios
CEDARLEAF — (American Traveler) 1,425 lbs, Havre; 479 lbs, Hamburg
CORN—(San Jacinto) 940 lbs, San Juan; 1,522 lbs, Fajardo; 940 lbs, Humacao; 1,084 lbs, Mayaguez
CYLINDER—(General Gassouin) 1,270 tons, Copenhagen; 305 tons, La Mailleraye; 63,000 gls, Thalia, Brazil; 1,047 tons, Calliope, Brazil
EDIBLE—2,250 lbs, Peten, Limon; 3,710 lbs, Musa, Porto Barrios
ESSENTIAL — 524 lbs, American Banker, London
GAS—151,884 gls, Svaneholm, Malmo; 840 gls, Ada, Paramaribo
LONG BURNING—2,200 gls, Nojima, Kobe-Osaka
LUBRICATING—3,575 gls, Aquitania, Southampton; (Tuscania) 2,898 gls, Dundee; 27,702 gls, Glasgow; (Scanmail) 630 gls, Danzig; 2,200 gls, Stockholm; (General Gassouin) 615 tons, Copenhagen; 13,755 gls, La Mailleraye; (Ada) 2,420 gls, Trinidad; 4,180 gls, Paramaribo; 12,232 gls, Severoles, London; (Collamer) 11,046 gls, Havre; 7,350 gls, St Nazaire; 21,630 gls, Bordeaux; 1,925 gls, Scanyork, Malmo; 825 gls, Conte Savoia, Genoa; (Svaneholm) 1,100 gls, Gothenburg; 8,315 gls, Stockholf; 330 gls, Malmo; (Drottningholm) 1,320 gls, Gothenburg; 3,630 gls, Stockholm; 550 gls, Kalmar; 13,650 gls, Copenhagen; (President Harding) 17,255 gls, Havre; 2,750 gls, Paris; 5,754 gls, Prague; 2,520 gls, Hamburg; (Nojima) 3,575 gls, Osaka; 7,425 gls, Kobe; 4,450 gls, Yokohama; (American Traveler) 34,318 gls, Havre; 16,842 gls, Hamburg; (Ile de France) 6,584 gls, Dunkirk; 6,300 gls, La Rochelle; 6,300 gls, Havre; 12,375 gls, Velox, Santos; (City of Manila) 5,060 gls, Brisbane; 30,360 gls, Sydney; 81,435 gls, Melbourne; 5,775 gls, Adelaide; 77,040 gls, Fremantle; (Santa Maria) 3,465 gls, Valparaiso; 12,375 gls, Callao; 8,250 gls, Mollendo; 1,085 gls, Pisco; 2,750 gls, Iquique; (President Roosevelt) 39,985 gls, Havre; 2,100 gls, Hamburg; 8,824 gls, Georgic, London; (Cubano) 2,200 gls, Santos; 1,445 gls, Rio Grande do Sul; 1,344 gls, Porto Alegre; 150 gls, Asuncion; (Black Hawk) 840 gls, Antwerp; 2,365 gls, Berne; 19,370 gls, American Banker, London; (Hamburg) 63,105 gls, Hamburg; 1,134 gls, Budapest; 4,675 gls, Oslo; (Siamese Prince) 1,375 gls, Manila; 2,475 gls, Shanghai; (Ulua) 1,650 gls, Porto Colombia; 950 gls, Kingston; 2,640 gls, Pisco; (Musa) 1,650 gls, Tela; 825 gls, Porto Castilla; 3,685 gls, Porto Barrios; 18,909 gls, Thalia, Brazil; 1,156 tons, Calliope, Brazil; (Henry Stanley) 5,550 gls, Dakar; 1,080 gls, Freetown; 2,750 gls, Port Bouet; 1,980 gls, Takoradi; 2,145 gls, Winnebah; 5,070 gls, Duala; 3,075 gls, Libreville; 4,690 gls, Port Gentil; 795 gls, Boma; 3,150 gls, Matadi; (City of Hankow) 330 gls, Haifa; 10,500 gls, Bombay; 5,775 gls, Madras; 44,725 gls, Rangoon; 50,645 gls, Calcutta; (West Kebar) 1,575 gls, Conakry; 2,750 gls, Port Bouet; 5,500 gls, Accra; 2,675 gls, Addah; 825 gls, Cotonou
MOTOR—305 tons, General Gassouin, Copenhagen; (West Kebar) 16,500 gls, Conakry; 5,500 gls, Lagos
NUTMEG—172 lbs, Hamburg, Hamburg
OLEO—(Drottingholm) 47,053 lbs, Gothenburg; 23,301 lbs, Stockholm; 20,910 lbs, Tuscania, Glasgow; 118,571 lbs, Georgic, London
PALE—218 tons, Calliope, Brazil; 12,600 gls, Thalia, Brazil
PEPPERMINT—1,263 lbs, Hamburg, Hamburg
TRANSFORMER—2,200 gls, Henry Stanley, Matadi
VALVE—305 tons, General Gassouin, La Mailleraya
PAINT — 3,155 lbs, Scanyork, Stockholm; 20,344 lbs, Velox, Buenos Aires; 24,105 lbs, Santa Maria, Callao; 1,508 lbs, Ada, San Fernando; 1,689 lbs, Black Hawk, Antwerp; (San Jacinto) 2,991 lbs, Mayaguez; 9,637 lbs, Jobos; 11,334 lbs, West Kebar, Marshall
PASTE—14,675 lbs, Scanyork, Stockholm
PREPARED—4,513 lbs, Amapala, Guantanamo
THINNER—2,200 gls, Velox, Santos; 1,540 gls, Santa Maria, Antofagasta
PARAFFIN—225,410 lbs, Severoles, London; (Scanyork) 111,210 lbs, Copenhagen; 6,660 lbs, Memel; 90,642 lbs, Santa Maria, Buenaventura; 44,593 lbs, Peten, Havana; 424,423 lbs, Black Gull, Antwerp; 22,250 lbs, Scanmail, Helsingfors; 10,101 lbs, Ada, Trinidad; 45,186 lbs, Cubano, Buenos Aires; 10,101 lbs, Musa, Porto Barrios
SCALE—12,233 lbs, Tuscania, Glasgow
PETROLEUM, REFINED — (Henry Stanley) 10,000 gls, Dakar; 10,000 gls, Port Bouet; 1,800 gls, Winnebah; 3,000 gls, Port Gentil; 6,000 gls, Matadi; (West Kebar) 12,500 gls, Dakar; 25,000 gls, Conakry; 500 gls, Marshall; 15,000 gls, Port Bouet; 5,000 gls, Cape Coast; 30,000 gls, Accra; 15,000 gls, Cotonou
POTASH, NITRATE—222 lbs, Ulua, Buenaventura
PERMANGANATE—234 lbs, Ulua, Cartagena
RESIN, COALTAR — 5,645 lbs, American Banker, London
SYNTHETIC—1,300 lbs, American Traveler, Havre; 10,751 lbs, Hamburg, Hamburg
ROOTS—4,298 lbs, Conte Savoia, Genoa
SALT—30,650 lbs, Amapala, Santiago
SOAP—(San Jacinto) 8,400 lbs, San Juan; 24,828 lbs, Ponce; 80,025 lbs, Mayaguez
LAUNDRY — (Ada) 25,680 lbs, Dominica; 5,425 lbs, Barbados; 6,136 lbs, Paramaribo
POWDER—2,369 lbs, Hamburg, Basle
SODA ASH—227,360 lbs, Nojima, Osaka; 3,555 lbs, Ulua, Corinto
BENZOATE—2,447 lbs, Ulua, Puerto Colombia
BICARBONATE—31,540 lbs, Amapala, Santiago; 3,300 lbs, Ulua, Carte
BROMIDE—50,160 lbs, Scanmail, Leningrad
CAUSTIC—345,600 lbs, Nojima, Osaka; 572,402 lbs, Velox, Santos; 72,150 lbs, Peten, Havana; 91,603 lbs, Cubano, Rio Grande; (Ulua) 6,800 lbs, Cartagena
CYANIDE—13,000 lbs, Ulua, Cartagena
SILICATE—3,999 lbs, Ulua, Corinto
SULPHIDE—5,499 lbs, Ulua, Porto Colombia
STARCH, CORN—1,469 lbs, Ada, St Thomas; 11,320 lbs, Georgic, London; 2,504 lbs, San Jacinto, San Juan; 4,512 lbs, City of Hankow, Bombay
SULPHUR FLOUR—10,150 lbs, Musa, Porto Cortes
TALC—117,602 lbs, Severoles, London; 22,400 lbs, Tuscania, Glasgow
TANNING EXTRACT, DRY — 3,240 lbs, American Banker, London
TOLUOL—5,720 gls, Velox, Buenos Aires
TURPENTINE — (Velox) 1,500 gls, Montevideo; 2,000 gls, Buenos Aires
UREA, CRYST—5,985 lbs, Komaki, Osaka; 5,656 lbs, Tuscania, Glasgow
VARNISH — 1,049 lbs, American Traveler, Havre
WHITING—10,200 lbs, Velox, Montevideo
WITCH HAZEL EXTRACT — (President Roosevelt) 9,883 lbs, Havre; 5,007 lbs, Hamburg
XYLOL—(Cubano) 1,100 gls, Buenos Aires; 350 gls, Rio Janeiro

Baltimore Exports

Clearance Dates

Black Osprey, May 14; Baron Ardrossan, May 19; City of Newport News, May 13; Cold Harbor, May 13; Charles H Cramp, May 15; Csarda, May 21; Haukefjell, May 13; Harpefjell, May 18; Kinai Maru, May 21; Llangollen, May 18; Marchen Maersk, May 17

ACID, CHROMIC—20,160 lbs, Haukefjell, London; (Harpefjell) 11,200 lbs, London; 2,200 lbs, Antwerp
ALCOHOL, BUTYL—(Marchen Maersk) 6,720 lbs, Yokohama; 40,320 lbs, Kobe; 2,232 lbs, Cold Harbor, Dublin
PROPYL—13,480 lbs, Marchen Maersk, Yokohama
SYNTHETIC—(Marchen Maersk) 4,572 lbs, Kobe/Osaka; 1,052 lbs, Kobe
ALKALI BLUE TONER—500 lbs, Marchen Maersk, Kobe
AMMONIA, SULPHATE—150 tons, Charles H Cramp, Port Natal
BUTYL ACETATE—6,817 lbs, Cold Harbor, Dublin
ASPHALT, SOLID—6 tons, City of Newport News, London
BLUE, ULTRAMARINE—8,200 lbs, Marchen Maersk, Osaka
CADMIUM LITHOPONE—(City of Newport News) 672 lbs, Havre; 1,120 lbs, London
CHEMICAL COMPOUND—725 lbs, Cold Harbor, Dublin
CLEANSER—1,260 lbs, Harpefjell, Rotterdam
GLASS FRIT, CRSHD—15,000 lbs, Cold Harbor, Manchester
GREASE, LUBRICATING—10,449 lbs, Black Osprey, Rotterdam; 101,232 lbs, Kinai, Osaka
HAMAMELIS LEAVES—(City of Newport News) 2,161 lbs, Havre; 4,629 lbs, Marseilles; 2,172 lbs, Dunkirk
INSECTICIDE—10,010 lbs, City of Newport News, Bordeaux; 120 lbs, Marchen Maersk, Hongkong
IRON POWDER—1,000 lbs, City of Newport News, London
NICKEL SULPHATE—10,000 lbs, Marchen Maersk, Kobe
METHANOL—198,900 lbs, Marchen Maersk, Kobe
OIL, LUBRICATING—132 bbls, City of Newport News, Rouen; 6,074 gls, Black Osprey, Antwerp; 208 bbls, Marchen Maersk, Osaka; 1,135 gls, Kinai, Osaka
PARAFFIN—(Haukefjell) 33,737 lbs, Antwerp; 33,170 lbs, Rotterdam; (Cold Harbor) 11,405 lbs, Liverpool; 21,060 lbs, Manchester
PAINT—693 lbs, Black Osprey, Rotterdam
PASSION FLOWER HERB—(City of Newport News) 1,132 lbs, Dunkirk; 2,596 lbs, Havre
POLISH, METAL—216 lbs, Marchen Maersk, Manila
PORCELAIN ENAMEL FRIT—1,100 lbs, Black Osprey, Antwerp
POTASH BICHROMATE—49,280 lbs, Haukefjell, Rotterdam
QUEBRACHO BARK EXTRACT—22,699 lbs, Cold Harbor, Manchester
RUTILE—4,500 lbs, Cold Harbor, Manchester
SAND, PREPARED—1,494 lbs, City of Newport News, London
SELENIUM ROOT—551 lbs, City of Newport News, Bombay
SODA, BICHROMATE—(City of Newport News) 6,720 lbs, Calcutta; 6,720 lbs, Port Okha; 6,720 lbs, Haukefjell, Rotterdam
ALUMINATE—16,543 lbs, City of Newport News, London
CAUSTIC—112,650 lbs, Marchen Maersk, Manila
SILICATE—50,289 lbs, Marchen Maersk, Shanghai

Boston Exports

Clearance Dates

American Shipper, May 16; Anna Maersk, May 17; Black Heron, May 20; Evangeline, May 15 and 20; Limon, May 17; Macabi, May 14; McKeesport, May 17; Pipestone County, May 19; President Cleveland, May 17; President Monroe, May 10; Saint John, May 14, 18, 20; Samaria, May 15

ACETONE—1 dm, 350 lbs, Anna Maersk, Hongkong
ACID, SULPHURIC—75 dms, 60,000 lbs, Macabi, Banes; Cuba; 30 crbys, 5,400 lbs, Limon, Havana
ALUMINA OXIDE—1,465 bgs, 146,500 lbs, Pipestone County, La Courneuve
SULPHATE—50 bgs, 5,000 lbs, Evangeline, Aylesford, N S

AMYL ACETATE—1 dm, 380 lbs, Anna Maersk, Hongkong
BLACK, MINERAL EARTH—4 bxs, 200 lbs, St John, Moncton, N B
CEMENT, BELT—10 bls, 2,063 lbs, President Monroe, Shanghai
RUBBER—7 bbls, 358 gls, President Monroe, Manila; 100 dms, 52 cs, 1,120 gls, Limon, Havana
CLAY—220 bbls, 25 tons, Pipestone County, La Courneuve
COALTAR—15 dms, 6,855 lbs, Limon, Marianao
DIATOMACEOUS EARTH—896 bgs, 44,800 lbs, McKeesport, London
DRESSING, LEATHER—4 bbls, 204 gls, Samaria, Leicester
OILBOARD—1 crtn, 134 lbs, President Cleveland, Manila
SHOE—25 crtns, 1 pl, Limon, Havana
DRUGS—3 bgs, 130 lbs, St John, St John, N B
ERASING LIQUID—1 cs, 80 lbs, Anna Maersk, Shanghai
FELDSPAR—364 bbls, 130,000 lbs, American Shipper, Manchester
FERTILIZER—56 bgs, 4,000 lbs, Limon, Kingston
LEATHER SCRAP—282 bls, 234,076 lbs, Pipestone County, Havre
FILLER, SHOE—5 dms, 250 lbs, Limon, Havana
FINISH, LEATHER—(President Cleveland) 2 bbls 85 gls, Hankow; 4 bbls, 221 gls, Amoy
SHOE—11 kgs, 110 gls, President Monroe, Manila
FLUX—(Pipestone County) 10 dms, 1 bbl, 2,025 lbs, Havre; 6 dms, 810 lbs, Concarneau; 9 dms, 1,215 lbs, Black Heron, Rotterdam
GARNET ROCK—200 bgs, 20,000 lbs, McKeesport, Bremen
GLUE, FISH—3 bbls, 1,757 lbs, McKeesport, Bodenbach
MARINE—12 crtn, 210 lbs, President Monroe, Honolulu
GLUESTOCK, HIDE CUTTINGS—187 bgs, 23,359 lbs, McKeesport, Hamburg
INK, MARKING—1 cs, 8 lbs, McKeesport, Helsingfors
PRINTING—100 dms, 44,232 lbs, McKeesport, Helsingfors
SHOE—1 cs, 50 lbs, President Monroe, Manila
WRITING—(President Monroe) 54 pkgs, Honolulu; 6 pkgs, Wailuku; 103 pkgs, Shanghai; 1 cs, Samaria, Calcutta; 20 pkgs, Anna Maersk, Shanghai; (President Cleveland) 33 pkgs, Manila; 11 pkgs, Kobe; 3 pkgs, Port Allen; 6 pkgs, 295 lbs, Honolulu
INVALID'S FOOD—6 cs, 72 lbs, Limon, Havana
LINING COMP—(McKeesport) 15 dms, 690 lbs, Malmo; 50 dms, 2,420 lbs, Goteborg; 28 dms, 12,697 lbs, Pipestone County, Havre; 19 dms, 3,584 lbs, Black Heron, Antwerp
MEDICINAL PREPS—164 bxs, 820 gls, McKeesport, London; 3 straps, 92 lbs, Limon, Havana
MICA—1 cs, 42 lbs, Samaria, Middlesex
MUCILAGE—3 ctrns, 96 lbs, President Monroe, Honolulu; 1 cs, 170 lbs, Anna Maersk, Shanghai; 3 pkgs, 79 lbs, President Cleveland, Honolulu
OCHER, YELLOW—4 bbls, 700 lbs, Limon, Havana
OIL, LUBRICATING—44 bbls, 80 cs, 2 dms, Saint John, St John, N B; 2 cs, 30 gls, Samaria, Liverpool; 4 dms, 200 gls, Evangeline, Yarmouth, N S
RAYON—50 dms, 2,666 gls, Samaria, Liverpool
PAINT—1 cs, 10 gls, Saint John, St John, N B
PASTE—29 crtns, 1,240 lbs, President Monroe, Honolulu; 1 cs, 181 lbs, Anna Maersk, Shanghai; 2 cs, 255 lbs, President Cleveland, Manila
ADHESIVE—19 dms, 944 lbs, Pipestone County, Havre; 5 dms, 295 lbs, Black Heron, Antwerp
POLISH, FLOOR—1 cs, 3 gls, Saint John, St John, N B
SHOE—52 bxs, 2,244 lbs, President Monroe, Manila; 2 cs, 80 lbs, McKeesport, London; (Limon) 2 cs, 169 lbs, Panama; 10 cs, Havana
SILVER—1 bx, 58 lbs, President Monroe, Manila
STOVE—48 cs, 764 lbs, Saint John, St John, N B
PUTTY—4 dms, 3,565 lbs, President Monroe, Manila
RADIATOR LIQUID—12 crtns, President Monroe, Honolulu
SOAP, FLAKE—66 cs, 2,206 lbs, Limon, Havana; 20 cs, 668 lbs, President Cleveland, Manila
LIQUID—4 pls, 160 lbs, Samaria, Liverpool; 1 dm, 55 gls, Saint John, St John, N B
MEDICATED—3 cs, 473 lbs, President Cleveland, Honolulu
POWDER—11 cs, 495 lbs, Limon, Havana; 10 cs, 450 lbs, President Cleveland, Manila
TAR—16 cs, 433 lbs, Limon, Havana; 500 cs, 18,125 lbs, President Cleveland, Manila
TOILET—5 cs, 156 lbs, Limon, Havana; 1,400 cs, 38,937 lbs, President Cleveland, Manila
SODA, BENZOATE—2 bbls, 580 lbs, Evangeline, Halifax
SULPHUR FLOUR—350 bgs 35,000 lbs, Evangeline, Aylesford, N S
TANNING EXTRACT—(Limon) 2 kgs, 200 lbs, Santa Clara; 1 cs, 40 lbs, Havana
TURPENTINE, GUM—10 dms, 520 gls, Evangeline, Halifax
WOOD—2 dms, 114 gls, Saint John, St John, N B
WAX, FLOOR—2 cs, 200 lbs, Saint John, St John, N B
SHOE—1 cs, 12 lbs, Limon, Havana

Corpus Christi Exports

Clearance Dates

Ima, May 13; Charles Kurz, May 12

OIL, GAS—60,955 bbls, Charles Kurz, Seward
PETROLEUM, CRUDE—43,880 bbls, Ima, Durban

Galveston Exports

Clearance Dates

Bonnington Court, May 18; Burgerdyk, May 15; Chester Valley, May 18; City of Joliet, May 15; Louisiane, May 17; Monbaldo, May 17; Seherazade, May 17; Svolder, May 12; Tabor, May 17

ASPHALT—125 dms, Tabor, Gothenburg
BLACK, CARBON—2 tons, City of Joliet, Lisbon; 51 tons, Burgerdyk, London; 150 cs, Louisiane, Havre; 150 cs, Bonningdton Court, Yokohama
GASOLINE—8,500 tons, Svolder, Italian Ports
MOLYBDENITE—704 bbls, Monbaldo, Genoa
PETROLEUM, CRUDE—1,250 tons, Sheherazade, Havre
ROSIN—80 tons, Bonnington Court, Osaka
SULPHUR—5,200 tons, Monbaldo, Genoa; 60 tons, Burgerdyk, London; 25 tons, Chester Valley, Havre

Houston Exports

Clearance Dates

Breedyk, May 18; Buccinum, May 15; Burgerdyk, May 13; Capsa, May 15; Capulet, May 15; City of Joliet, May 13; Dageid, May 18; Ethan Allen, May 12; Louisiane, May 14; Ruth Lykes, May 15; Massis, May 13; Monbaldo, May 14; Nike, May 18; Sheherazade, May 15; Tabor, May 15; Venetia, May 13

BISMUTH, METALLIC—208 tons, Breedyk, London
BLACK, CARBON—2,750 bgs, 340 cs, City of Joliet, Genoa; (Burgerdyk) 285 tons, London; 24 tons, Bristol transhipment at London; 4 tons, Leith transshipment London; 9 tons, Antwerp-Rotterdam; 11 tons, Calcutta transhipment Antwerp-Rotterdam; 9 tons, Rotterdam; 31 tons, Amsterdam; 35 tons, Antwerp; 200 tons, Louisiane, Havre; (Monbaldo) 4,000 bgs, 120 cs, Genoa; 100 cs, Leghorn; (Tabor) 124 cs, Gothenburg; 403 cs, 1,100 sks, Copenhagen; 2,240 sks, 75 cs, Gdynia
GASOLINE—7,500 tons, Venetia, Ghent; 8,000 tons, Dageid, Antwerp; 10,200 tons, Capulet, Coryton-Thameshaven-Avonmouth
GRAPEFRUIT JUICE—200 bbls, Louisiane, Havre; 71 bbls, Breedyk, London
OIL—(Ruth Lykes) 4 tons, Havana; 132 tons, Cristobal
GAS—6,500 tons, Massis, Rotterdam; 8,000 tons, Buccinum, Holland; 12,600 tons, Nike, Hamburg
LUBRICATING—65 bbls, City of Joliet, Genoa; (Burgerdyk) 60 dms, London; 50 bbls, Rotterdam; 615 dms, Tabor, Oslo
PETROLEUM, CRUDE—10,000 tons, Capsa, Montreal; 16,300 tons, Sheherazade, Havre
POLISH—3 ctns, Ethan Allen, Honolulu

Lake Charles Exports

Clearance Date

Liberty Bell, May 13

GLUCOSE—60 bbls, Liberty Bell, Dublin

Los Angeles Exports

Clearance Dates

Capella, May 13; Djambi, May 10; Drafu, May 8; Elenora Maersk, May 11; Fernwood, May 10; Hoegh Silverlight, May 11; Holdanger, May 3; Koryu, May 10; La Placentia, May 16; Laurits Swenson, May 4; Limerick, May 1; Maipo, May 17; Nu-ula, May 18; Omorasan, May 16; Otowasan, May 4; Portland, May 4; President Garfield, May 3; President Wilson, May 11; Santa Elena, May 1; Sveaborg, May 11; Tasmania, May 13; Trojan Star, May 10; Wales, May 15

ACID, BORIC—(Limerick) 38 pkgs, 4,260 lbs, Dunedin; 17 bgs, 1,900 lbs, Lyttleton; (Trojan Star) 7,000 bgs, 784,000 lbs, Rotterdam; 200 bgs, 22,400 lbs, London; 25 pkgs, 5,150 lbs, Tsingtao
CITRIC—1,150 lbs, President Garfield, Manila
ASPHALT—50 dms, 24,640 lbs, Santa Elena, Guayaquil
BORATE—(Portland) 13,400 bgs, 2,242,090 lbs, Antwerp; 6,128 sx, 1,113,330 lbs, Hamburg; (Laurits Swenson) 3,654 bgs, 623,480 lbs, Liverpool; 17,140 pkgs, 3,994,230 lbs, London; 644 sx, 117,910 lbs, Koryu, Osaka; 66 bgs, 119,000 lbs, Koyei, Osaka
BORAX—(Limerick) 38 pkgs, 4,260 lbs, Dunedin; 30 bgs, 3,360 lbs, Auckland; 3 bgs, 340 lbs, Lyttleton; 1,000 bgs, 112,000 lbs, Laurits Swenson, Liverpool; (Koryu) 1,450 sx, 158,960 lbs, Yokohama; 2,174 lbs, 239,680 lbs, Osaka; (Trojan Star) 38,100 bgs, 4,312,000 lbs, Rotterdam; 2,900 bgs, 324,800 lbs, Newcastle; 13,600 bgs, 1,568,000 lbs, London; (President Garfield) 100 bgs, 11,200 lbs, Bombay; 1,500 bgs, 168,000 lbs, Shanghai; (President Wilson) 1,000 bgs, 112,000 lbs, Osaka; 1,100 bxs, 121,280 lbs, Dairen; 215 pkgs, 24,080 lbs, Tsingtao
CLAY—300 sx, 30,000 lbs, Santa Elena, Colombia
FILM, SCRAP—18,920 lbs, Trojan Star, London
GASOLINE—5,024 bbls, 1,311,260 lbs, Otowasan, Japan; 4,860 cs, 704 dms, 616,030 lbs, Hoegh Silverlight, Manila
GREASE—3 dms, 1,190 lbs, Hoegh Silverlight, Manila
INFUSORIAL EARTH—520 bgs, 53,760 lbs, Portland, Antwerp; 565 bgs, 56,640 lbs, Laurits Swenson, London
KEROSENE—(Djambi) 2,500 cs, 212,500 lbs, Cebu; 5,000 cs, 425,000 lbs, Manila
DISTILLATE—121,325 bbls, 34,270,050 lbs, Eleanora Maersk, Curacao
LACQUER—(President Garfield) 1,230 lbs, Izmir; 7,280 lbs, Manila
THINNER—(President Garfield) 1,680 lbs, Bombay; 7,280 lbs, Manila
OIL, DIESEL—10,939 bbls, 3,412,970 lbs, Limerick, Wellington; 41,478 bbls, 12,941,140 lbs, Drafn, Tsurumi; 3,104 bbls, 968,450 lbs, Fernwood, Yokohama; 5,161 bbls, 1,610,230 lbs, Wales, Osaka; 52,929 bbls, 16,513,840 lbs, Omorosan, Osaka-Nagoya; 24,811 bbls, 7,741,030 lbs, La Placentia, Vancouver; 3,335 bbls, 1,040,520 lbs, Tasmania, Balboa; 3,649 bbls, 1,138,490 lbs, Maipo, Talcahuano
FISH—11,200 lbs, Santa Elena, Panama City
FUEL—10,095 bbls, 3,361,640 lbs, Koyei, Nagoya; (Capella) 61,261 bbls, 20,399,910 lbs, Chanaral; 30,020 bbls, 9,996,660 lbs, Tocopilla; 34,687 bbls, 11,550,770 lbs, Drafn, Tsurumi; 43,757 bbls, 14,571,080 lbs, Nucula, Auckland; 19,922 bbls, 6,634,030 lbs, Omorosan, Osaka-Nagoya; 50 dms, 20,890 lbs, Hoegh Silverlight, Pontianak; 16,844 bbls, 5,609,050 lbs, Maipo, Talcahuano
GAS—9,055 bbls, 2,734,610 lbs, Djambi, Manila
LUBRICATING—(Hoegh Silverlight) 94 cs, 9 dms, 12,120 lbs, Batavia; 30 cs, 3,000 lbs, Manila
PECTIN, CITROUS POWD—500 lbs, Portland, Hamburg; 2,000 lbs, Trojan Star, London
PETROLEUM, CRUDE—71,881 bbls, 22,426,870 lbs, Otowasan, Japan; 99,277 bbls, 30,974,420 lbs, Sveaborg, Yokohama
RUBBING COMP—1,760 lbs, President Wilson, Hongkong
SCOURING COMP—1,410 lbs, President Garfield, Singapore; 3,410 lbs, Santa Elena, Cristobal; 280 lbs, President Wilson, Hongkong
SOAP—330 lbs, Santa Elena, Havana
POWDER—5,000 lbs, Santa Elena, Havana
TOILET—1,330 lbs, President Garfield, Manila
SODA ASH—236 bgs, 44,800 lbs, Limerick, Auckland
SULPHITE, GRAN — (President Garfield) 3,260 lbs, Dairen; 1,950 lbs, Tientsin; 3,260 lbs, Hongkong
TALC—15 bgs, 3,360 lbs, President Garfield, Shanghai
TOILET PREPS—(President Garfield) 300 lbs, Rangoon; 700 lbs, Colombo; 3,490 lbs, Santa Elena, Havana
TURPENTINE—(Limerick) 29,960 lbs, Lyttleton; 2,550 lbs, Dunedin

New Orleans Exports

Clearance Dates

Cefalu, April 6, 20; Cerinthus, May 13; Colorado Springs, May 30; Comedian, May 11; Contessa, April 13; Ethan Allen, May 7; Granada, April 8; Historian, May 5; Monbaldo, May 20; Morazan, April 1, April 15; Sinaloa, March 27; Sixaloa, April 2; Vigrid, May 8; Wawa, April 12; West Hobomac, May 11; Westmoreland, May 15

ALABASTER—6 bbls, Morazan, Vera Cruz
ASPHALT—10 dms, Sixaola, Havana; 174 sks, Granada, Vera Cruz; (Comedian) 99 sks, Liverpool; 301 sks, Manchester; 37 tons, Colorado Springs, Liverpool
BAKING POWDER—1 ton, Cefalu, Ceiba
BLACK, CARBON—(Colorado Springs) 16 tons, Manchester; 21 tons, Liverpool-Manchester; 30 cs, Sixaola, Valparaiso; 53 tons, Historian, Manchester; 15 cs, Comedian, Liverpool; 5 cs, Contessa, Valparaiso
BONEMEAL—5 sks, Cefalu, Panama
BORAX—50 sks, Morazan, Vera Cruz
CALCIUM HYCHLORITE—110 dms, Morazan, Vera Cruz
CLAY—294 sks, Ethan Allen, Manila
GROUND—(Colorado Springs) 10 tons, Liverpool; 13 tons, Manchester; 600 sks, Comedian, Manchester
COTTONSEED PULP — 114 tons, Colorado Springs, Manchester; 2,805 bls, Vigrid, Gdynia
DISINFECTANT—1 ton, Sixaola, Cartagena
DISTILLATE—150 dms, Cefalu, Ceiba
FIRECLAY—(Sixaola) 200 sks, Cristobal; 69 tons, Havana; 68 tons, Morazan, Vera Cruz; 3 tons, Cefalu, Havana
GASOLINE—30 dms, 25 cs, Sinaloa, Bluefields; 100 dms, 400 cs, Wawa, Alvaro Obregon
GLUCOSE—47 tons, Colorado Springs, Liverpool
GREASE, LUBRICATING—30 half dms, 20 qtr dms, Sixaola, Havana
INSECTICIDE—7 tons, Granada, Vera Cruz
KEROSENE—24 dms, Sixaola, Puerto Limon; 50 cs, Cefalu, Puerto Cabezas; (Contessa) 35 cs, Puerto Cabezas; 4 dms, Ceiba
LARD—10 crts, Sinaloa, Bluefields; (Sixaola) 1,050 tins, 5 cs, 700 dms, 55 crts, Havana; 100 tins, Panama
LICORICE MASS—1 ton, Morazan, Vera Cruz
LITHOPONE—202 tons, Cefalu, Havana
OIL, COTTONSEED FOOTS—10 bbls, Contessa, Havana
CYLINDER—(Cerinthus) 2,800 tons, London; 2,650 tons, Birkenhead
FUEL—800 bbls, Contessa, Puerto Cabezas; 2,300 bbls, Cefalu, Ceiba
LUBRICATING—(Colorado Springs) 21 tons, Liverpool; 13 tons, Manchester; 20 dms, Sinaloa, Bluefields; (Sixaola) 8 dms, Mollendo; 500 dms, Valparaiso; 345 bbls, Monbaldo, Marseilles; 550 bbls, Comedian, Liverpool; (Ethan Allen) 149 pkgs, Manila; 326 dms, Yokohama; 40 dms, Kobe; 452 dms, Osaka; 95 dms, Cebu; 8 dms, Contessa, Puerto Cabezas; 26 tons, Westmoreland, Genoa; (Cefalu) 10 cs, La Guaira; 14 dms, Puerto Cabezas; 4 dms, Ceiba
PINE—4 dms, Monbaldo, Marseilles
REFINED—25 cs, Sixaola, Puerto Limon
PAINT—65 cs, Sixaola, Buenaventura; (Cefalu) 1 ton, Havana; 40 kgs, Ceiba
PARAFFIN—81 tons, Colorado Springs, Manchester
PINETAR—11 tons, Colorado Springs, Liverpool; 20 dms, Morazan, Vera Cruz
PITCH—10 bbls, Sixaola, Mollendo; 6 bbls, Granada, Tampico
POLISH, SHOE—1 ton, Cefalu, Havana
ROSIN—85 dms, 5 bbls, Sixaola, Panama; 5 dms, Granada, Vera Cruz; 80 bbls, Contessa, Guayaquil; 5 dms, Morazan, Vera Cruz; 36 dms, Cefalu, Ceiba
GUM—150 bbls, Sixaola, Havana; 33 bbls, Contessa, Panama
WOOD—400 bbls, Ethan Allen, Osaka; 5 dms, Contessa, Valparaiso
SALT—1 ton, Sinaloa, Bluefields; (Cefalu) 30 tons, Havana; 12 tons, Puerto Cabezas
SOAP—100 ctns, Sinaloa, Bluefields
SODA ASH—25 bbls, Cefalu, Colon
CAUSTIC—65 dms, Contessa, Havana; 171 dms, Morazan, Vera Cruz; 57 dms, Cefalu, Ceiba
STARCH—400 sx, Morazan, Vera Cruz
CORN—440 sx, Comedian, Manchester
MILL—10 tons, Colorado Springs, Manchester
STEARIN—100 sx, Sixaola, Havana
SULPHUR—3,000 tons, Colorado Springs, Manchester; 567 sx, Granada, Vera Cruz; 1,013 sx, Morazan, Vera Cruz; 2,500 tons, West Hobomac, Manchester
SUPERPHOSPHATE—240 sx, Morazan, Vera Cruz
TRIPOLI—300 sx, Comedian, Manchester
TURPENTINE—100 cs, Sixaola, Callao; 10 dms, Cefalu, Havana
WAX—322 sx, Granada, Vera Cruz; 762 sx, Cefalu, Arica; 1,016 sx, Comedian, Manchester; 5 dms, Morazan, Vera Cruz
ZINC OXIDE—20 tons, Contessa, Havana

Norfolk Exports

Clearance Dates

City of Newport News, May 14; Collamer, May 12; Fairfield City, May 16; Ingrid, May 21

FELDSPAR, GRD—700 bgs, 109,100 lbs, Collamer, Havre
MICA, GRD—175 bgs, 17,500 lbs, City of Newport News, Hamburg
PULVERIZED—(City of Newport News) 70 bgs, London; 22 bgs, 2,222 lbs, Hamburg; 18 bgs, 1,818 lbs, Fairfield City, Calcutta
PAINT, LIQ—8 bxs, 800 lbs, Ingrid, St Thomas
POTASH SULPHATE—65 bgs, 13,000 lbs, Ingrid, St Georges
SODA, NITRATE—12 bgs, 2,424 lbs, Ingrid, Roseau Dominica

Philadelphia Exports

Clearance Dates

Augsburg, May 16; Augvald, May 15; Barbarigo, May 19; Beemsterdijk, May 17; Black Falcon, May 18; City of Fairbury, May 12; Exchester, May 15; Ingrid, May 20; Kinai, May 17; Kota Tjandi, May 14; Liberty, May 15; McKeesport, May 10; Moira, May 15; Montreal City, May 14; Pyrrhus, May 15; Rheinfels, May 17; San Vincente, May 19; Sagaporack, May 20; Steel Mariner, May 13; Waukegan, May 18.

ACID, CHROMIC—20 dms, Augsburg, Hamburg
MURIATIC—1 cs, Augsburg, Bucharest
PHOSPHORIC—(Black Falcon) 2 bbls, Rotterdam; 15 bbls, Brussels
ALUMINA SULPHATE—300 bbls, Steel Mariner, Manila; 150 bgs, San Vincente, Tulua
BENZOL—1 cs, Liberty, London
BERYLLIUM ORE—58 bbls, Black Falcon, Rotterdam
BLACK, BONE—24 bgs, City of Fairbury, Gothenburg
CALCIUM CARBIDE—50 dms, Augvald, Lisbon
CANDLES—(Rheinfels) 4 bxs, Capetown; 2 cs, Durban; 4 cs, Lourenco Marques
CEMENT, FIBER—33 dms, McKeesport, Cork; 4 dms, Augsburg, Bucharest; 19 dms, City of Fairbury, Copenhagen
GASGET—10 ctns, Steel Mariner, Manila
REFRACTORIES—11 dms, City of Fairbury, Copenhagen
RUBBER—11 dms, 2 pls, McKeesport, Cork; 1 dm, Augsburg, Bucharest; 7 dms, City of Fairbury, Copenhagen; 3 pls, Sagaporack, Copenhagen
TILE, WATERPROOF—60 dms, 17 cs, City of Fairbury, Copenhagen
CLAY, PELLET—300 bbls, Barbarigo, Naples
CLEANER, METAL—1 dm, McKeesport, Cork
SHOE, WHITE—24 cs, San Vincente, Panama City
CLEANING COMP—4 dms, Waukegan, Manchester; 2 dms, Black Falcon, Rotterdam; 7 pkgs, Beemsterdijk, Amsterdam
COCOA, CAKE—1,140 bgs, Black Falcon, Amsterdam
WASTE—3,427 bgs, Black Falcon, Amsterdam
COLUMBINE—5 dms, Augsburg, Hamburg
COTTON LINTERS—26 bls, Liberty, London, etc.
DRESSING, AUTO-TOP—6 ctns, Steel Mariner, Manila
LEATHER—20 bbls, Ausburg, Prague
DYE, SHOE—1 cs, San Vincente, Panama City
GASOLINE—(Augsburg) 5 dms, Hamburg; 5 cs, 1 bbl, Kagran; 10 cs, Almas Fuzito; 200 cs, Rheinfels, Beira; 2 pkgs, Barbarigo, Bos Brod
GLAZE—1 cs, McKeesport, Cork
GLUE—10 bxs, City of Fairbury, Copenhagen
GREASE, LUBRICATING—19 dms, 3 pls, Kota Tjandi, Bangkok; 1 cs, McKeesport, Cork; 20 half dms, Pyrrhus, Manila; 16 bbls, Augsburg, Hamburg; 10 dms, 1 bx, Waukegan, Liverpool; (Black Falcon) 5 dms, Rotterdam; 4 dms, 5 pls, Amsterdam; 6 pkgs, Beemsterdijk, Amsterdam; (City of Fairbury) 36 dms, 10 bbls, 1 bx, Gothenburg; 2 dms, Stockholm; 4 dms, Copenhagen; (Rheinfels), 10 cs, Durban; 40 bskts, Port Elizabeth; 77 bskts, 30 cs, Lourenco Marques; 5 bskts, Beira; (San Vincente) 4 dms, Cali; 5 dms, 5 pls, Barranquilla; 10 dms, 10 cs, Guayaquil; 2 pls, 3 dms, San Jose; 15 dms, Callao; (Sagaporack) 2 pls, Copenhagen; 5 dms, Helingfors; 5 cs, Barbarigo, Durazzo
INK, PRINTING—1 cs, Steel Mariner, Manila
SHOE—7 cs, San Vincente, Panama City
KEROSENE—1,000 pkgs, Augvald, Lisbon
LARD—100 tcs, Waukegan, Manchester
LICORICE, MASS—330 cs, Liberty, London; 50 cs, Montreal City, Bristol; 3 cs, Kota Tjandi, Cheribon; (Black Falcon) 50 cs, Rotterdam; 140 cs, 34 drs, Antwerp, 18 cs, Rheinfels, Lourenco Marques
LINSEED CAKE—6,395 bgs, Liberty, London etc; (Waukegan) 3,523 bgs, Liverpool; 1,926 bgs, Dublin
MEAL—(Ingrid) 450 bgs, British Guiana; 3,525 bgs, Barbados; 2,269 bgs, Trinidad
MINERAL SPTS—(Rheinfels) 20 bbls, Capetown; 351 bbls, 55 cs, Durban; 1 bbl, Lourenco Marques; 45 bbls, 15 cs, East London
OIL, COD—1 bbl, Augsburg, Hamburg
ILLUMINATING—40 bbls, City of Fairbury, Copenhagen; (Reinfels) 1,100 cs, Capetown; 500 cs, Port Elizabeth; 700 cs, Lourenco Marques; 50 cs, East London; 700 cs, Beira
LEATHER—2 bbls, Pyrrhus, Manila
LUBRICATING—385 bbls, Liberty, London; (Kota Tjandi) 60 drs, 385 pkgs, Penang; 312 pkgs, Palembang; 944 pkgs, Sourabaya; 83 drs, 84 pkgs, 1 bx, Bangkok; 123 pkgs, Singapore; 235 pkgs, Port Swettenham; 1,594 pkgs, Batavia; 735 pkgs, Samarang; 84 pkgs, Sebolga; 392 pkgs, Medan; 196 pkgs, Padang; 228 pkgs, Macassar; 4 drs, Augsburg, Bucharest; (Augvald) 394 pkgs, Lisbon; 798 pkgs, Leixoes; 25 pkgs, Cabinda; 145 pkgs, Benguela; 5 pkgs, Loanda; 10 pkgs, Porto Amboin; 49 pkgs, Gibraltar; 65 bbls, 2 pkgs, Marseilles; 21 pkgs, Tangiers; 54 pkgs, Casablanca; 20 pkgs, Oudjda; 405 pkgs, Haipong; 16 pkgs, Tunis; (Pyrrhus) 50 drs, Manila; 348 drs, 368 cs, Shanghai; 15 drs, Hongkong; 50 drs, Manila; (Exchester) 110 drs, 10 bbls, Casablanca; 20 drs, 20 bbls, Oran; 30 drs, Algiers; 40 drs, Tunis; 245 ctns, 15 drs, Steel Mariner, Manila; (Augsburg) 699 bbls, 195 pkgs, 26 drs, Hamburg; 12 pkgs, Vienna; 25 pkgs, Almas Fuzite; 53 bbls, 3 cs, Prague; (Waukegan) 30 drs, 42 bbls, Manchester; 10 bbls, Liverpool; 85 bbls, Dublin; 287 drs, 50 bbls, Glasgow; (Kinai Maru) 60 drs, Kobe; 110 drs, Moji; (Black Falcon) a quantity in bulk; 15 ctns, 8 drs, Rotterdam; 74 ctns, 54 drs, Amsterdam; 320 bbls, 45 pkgs, Antwerp; 2 pkgs, Basle; (Beemsterdijk) 1,055 bbls, 13 pkgs, Rotterdam; 28 pkgs, Amsterdam; 588,561 gls, Moira, London; (City of Fairbury) 20 bbls, 40 drs, 2 bxs, 1 crate, Gothenburg; 146 drs, 57 pkgs, 2 bxs, Copenhagen; 170 pkgs, Gdynia; 40 bbls, 1 crate, Stockholm; 301 pkgs, 5 bbls, 5 drs, Helsingfors; 40 bbls, Danzig; (Rheinfels) 580 drs, 20 pkgs, 10 cs, Capetown; 1,089 drs, 110 cs, 63 pkgs, Durban; 275 drs, 30 cs, Port Elizabeth; 971 drs, 215 cs, 10 pkgs, Lourenco Marques; 75 drs, East London; 20 drs, Beira; (San Vincente) 104 drs, Cali; 32 drs, Barranquilla; 100 drs, 20 cs, Guayaquil; 40 drs, 4 cs, Bogota; 25 cs, San Jose; 35 drs, Valparaiso; 2 qtr drs, Mollendo; 70 drs, 40 qtr drs, Callao; 67 drs, 80 cs, Sagaporack, Helsingfors; (Barbarigo) 104 pkgs, Bos Brod; 45 pkgs, Zemun; 6 drs, Valona; 125 drs, 155 cs, Durazzo; 240 bbls, 944 pkgs, Genoa
NEATSFOOT—5 pkgs, Augvald, Marseilles; 1 bbl, Augsburg, Hamburg
PAINT—1 cs, 28 drs, 441 pls, McKeesport, Cork; 7 drs, 5 cs, Augsburg, Bucharest; 5 drs, 2 bxs, Pyrrhus, Manila; (City of Fairbury) 1 dr, Gothenburg; 25 drs, 1 cs, Copenhagen; 228 pls, Sagaporack, Copenhagen.
PARAFFIN—10 bgs, Augvald, Oporto
REFINED—(Pyrrhus) 40 bgs, Hongkong; 300 bbls, Tsingtao; 295 bbls, Augsburg, Hamburg; (Waukegan) 225 bbls, Manchester, 420 bbls, Liverpool; 397 bbls, Dublin
SCALE—421 bbls, Waukegan, Manchester
POLISH—1 cs, McKeesport, Cork
SHOE—35 cs, San Vincente, Panama City
RADIATOR FLUSH—1 pkg, Beemsterdijk, Rotterdam
ROSIN, COALTAR—(Black Falcon) 3 bbls, Gothenburg; 4 drs, Helsingfors
SYNTHETIC—1 can, 1 cs, Liberty, London; 1 bx, Black Falcon, Hague
SODA ASH—(City of Fairbury) 3 bbls, Gothenburg; 4 drs, Helsingfors
BICHROMATE—1 pl, McKeesport, Cork
CYANIDE—3 drs, City of Fairbury, Stockholm; 6 drs, Sagaporack, Helsingfors
SOLDER—1 cs, Augsburg, Bucharest
DROSS—2,075 bgs, Montreal City, Bristol
TANNING EXTRACT—90 bbls, Waukegan, Glasgow
MATERIAL—3 bbls, Pyrrhus, Manila
TITANIUM ORE—22 bbls, City of Fairbury, Gothenburg
TOILET POWDER—1 cs, Rheinfels, Transvaal
VARNISH—1 dm, Waukegan, Liverpool
WAX—18 dms, City of Fairbury, Stockholm

Port Arthur Exports

Clearance Dates

Alexandra Hoegh, May 16; Americano, May 7; Conte de Misurata, May 17; Europe, May 15; Hoegh Hood, May 12; Frimaire, May 11; Havprins, May 12; Monbaldo, May 11; Nueva Granada, May 12; Solitaire, May 8; South America, May 10; Strinda, May 16; Vendemiare, May 11

ASPHALT—3 bxs, South America, Pernambuco
GASOLINE — (South America) 34,424 bbls, Santos; 30,133 bbls, Pernambuco; (Nueva Granada) 30,515 bbls, Thameshaven; 58,845 bbls, Liverpool; (Hoegh Hood) 69,496 bbls, Capetown; 28,570 bbls, Mombasa; (Europe) 32,269 bbls, Amsterdam; 25,871 bbls, Antwerp
GREASE, LUBRICATING—185 bbls, 150 half bbls, 85 dms, 15 cs, Solitaire, Rouen; 15 dms, 15 bbls, 180 cs, South America, Pernambuco; (Monbaldo) 5 bbls, 91 cs, Genoa; 5 cs, Venice; 50 dms, 22 bbls, Europe, Antwerp
KEROSENE—6,812 bbls, South America, Pernambuco; (Nueva Granada) 3,984 bbls, Thameshaven; 4,629 bbls, Liverpool; (Hoegh Hood) 2,410 bbls, Capetown; 15,478 bbls, Mombasa; (Europe) 19,962 bbls, Amsterdam; 3,936 bbls, Antwerp
OIL, DIESEL GAS—3,992 bbls, South America, Santos; 14,043 bbls, Nueva Granada, Liverpool; 2,659 bbls, Hoegh Hood, Mombasa; (Europe) 4,350 bbls, Amsterdam; 3,727 bbls, Antwerp
GAS—7,380 bbls, Europe, Antwerp
LUBRICATING—(Solitaire) 17,149 bbls, 25 dms, 1 cs, Rouen; 12,252 bbls, Manchester; (South America) 87 dms, 80 cs, Pernambuco; 6 dms, Cabedello; (Monbaldo) 1,480 bbls, 158 half bbls, 45 dms, 25 cs, Genoa; 110 bbls, 52 half bbls, Naples; 55 bbls, 12 half bbls, Venice; 347 dms, Europe, Antwerp
PARAFFIN—(Monbaldo) 10 dms, 3,974 bgs, Genoa; 10 cs, Venice
PETROLEUM, CRUDE—67,408 bbls, Americano, Port de Bouc; 99,035 bbls, Vendemiare, Havre; 90,662 bbls, Frimaire, Bordeaux; 94,372 bbls, Havprins, Montreal; 94,523 bbls, Alexandra Hoegh, Montreal; 116,838 bbls, Strinda, Montreal; 50,477 bbls, Conte de Misurata, Havre

San Francisco Exports

Clearance Dates

Bretagne, May 11; G. C. Brovig, May 11; General Sherman, May 10; H. M. Storey, May 10; Koyei, May 10; Pacific Enterprise, May 13; Pacific President, May 13; President Coolidge, May 10; President Garfield, May 8; Samoan, May 15; Santa Rosa, May 13; Siantar, May 15; Talamanca, May 14

ABRASIVE CLOTH—A lot, President Coolidge, Manila
PAPER—1 crt, President Garfield, Shanghai; 39 cs, President Coolidge, Manila
ACID, CRESYLIC—2 bbls, Santa Rosa, San Antonio
NITRIC—2 cs, Santa Rose, Mazatlan
AMMONIA, ANHYDR—30 cyls, President Garfield, Singapore; 5 cls, Santa Rosa, La Libertad
ASPHALT—(President Garfield) 560 dms, Colombo; 50 dms, Hankow; 1,680 bbls, Singapore; 10 bbls, Manila; 245 dms (President Coolidge) Yokohama; 2,882 dms, Manila; 2,465 dms, Shanghai; 32 dms, 20 pls, Pacific Enterprise, Glasgow; (Siantar) 150 bbls, Port Natal; 50 pls, Nairobi; 150 dms, Capetown
GRITS—39 sks, President Coolidge, Shanghai
LIQUID—35 bbls, President Garfield, Kobe
PREPARED—4 cs, Santa Rosa, San Jose de Guatemala
BLACK, CARBON—20 cs, President Coolidge, Canton
BLEACHING POWDER—1 cs, President Garfield, Manila
BORAX—5 cs, President Coolidge, Manila
CALCIMINE—20 kgs, Santa Rosa, Havana; 164 cs, Samoan, Noumea
CALCIUM CARBIDE—140 dms, Samoan, Noumea
CEMENT, ROOF—1 cs, President Coolidge, Manila
20 pls, Siantar, Durban
RUBBER—1 cs, Santa Rosa, Buenaventura
VULCANIZING—25 cs, Siantar, Capetown
40 cs, Siantar, Durban
CHEMICALS—1 cs, President Coolidge, Manila; 5 cs, 1 dm, Santa Rosa, San Jose de Guatemala
CHLORINE BLEACH, LIQ—6 cs, President Garfield, Bahrein; 3 cs, President Coolidge, Pasay
CINNAMON—(Santa Rose) 45 bls, La Libertad; 2 bls, Colon; 15 bls, San Jose de Guatemala; 20 sks, 2 bls, Guayaquil; 19 bls, Talamanca, Guayaquil
CLAY—200 sks, Siantar, Durban
CLEANER—10 cs, President Garfield, Manila; 1 cs, Santa Rosa, Guayaquil
GLASS—2 cs, President Garfield, Manila
PIPE—1 cs, President Garfield, Bahrein
SHOE—4 cs, President Garfield, Rizal
CLEANING FLUID—12 cs, President Garfield, Bahrein
CLEANSER—(President Garfield) 5 cs, Bahrein; 25 cs, Manila; (President Coolidge) 10 Hongkong; 37 cs, Manila; 1 sk, Tokyo; 2 cs, Santa Rosa, San Jose de Guatemala
CLOVES—(Santa Rosa) 1 sk, San Jose de Guatemala; 1 sk, Mazatlan; 4 sks, Guayaquil
COALTAR—15 kgs, Santa Rosa, San Jose de Guatemala
COCOA BEANS—269 sks, President Coolidge, Yokohama
COLOR, DRY — (President Coolidge) 2 kgs Yokohama; 4 bbls, Hong Kong; (Santa Rosa) 1 sk, 6 bbls, Havana; 6 bbls, Santiago; 43 cs, 2 bbls, 6 kgs, San Jose de Guatemala
FOOD—1 cs, President Coolidge, Shanghai
COLORING MATERIAL—2 cs, President Coolidge, Manila
CREAM TARTAR—20 kgs, President Garfield, Manila
CREOSOTE PROD—2 dms, Santa Rosa, Acapulco
CUMIN SEED—50 sks, Santa Rosa, Guayaquil
DENTIFRICE—22 cs, President Garfield, Singapore
DEODORANT—(President Garfield) 1 cs, Singapore; 6 cs, Shanghai
DISINFECTANT —1 cs, President Coolidge, Manila
DRESSING, LEATHER—1 cs, President Garfield, Rizal
AUTO-TOP —2 cs, President Garfield, Manila
ENAMEL—3 cs, Santa Rosa, Culiacon
8 cs, Santa Rosa, San Jose de Guatemala
1 cs, Siantar, Salisbury
11 cs, Siantar, Johannesburg
FERROSILICON—13 pkgs, President Coolidge, Manila
FERTILIZER—22 sks, President Garfield, Manila
FILLER, WOOD—1 cs, President Garfield, Manila; 22 cs, 4 pls, Siantar, Capetown
FILTER PAPER—1 cs, Santa Rosa Mazatlan
GASOLINE—119,000 bbls, H M Storey, Nagaevo, Russia; (Samoan) 1,830 bbls, Noumea; 1,750 bbls, Mackay; 874 dms, Apia; 5,420 cs, Suva; 2,628 bbls, Lae; 791 bbls, Rockampton
GINSENG ROOT—5 bbls, President Coolidge, Hongkong
GLASS, BROKEN—360,000 lbs, President Coolidge, Hongkong
SHEET—3 cs, Samoan, Lae
WINDOW—9 cs, Samoan, Lae
GLUE—2 cs, President Coolidge, Shanghai
GLYCERIN—3 crts, Santa Rosa, San Jose de Guatemala
GREASE, LUBRICATING — (President Garfield) 34 dms, Singapore; 9 pls, Bahrein; 4 dms, 120 pls, 25 cs, Manila; (President Coolidge) 1 cs, Tokyo; 11 dms, Manila; 40 dms, Yokohama; (Santa Rosa) 2 bbls, Puerto Colombia; 50 pls, San Jose de Guatemala; 40 dms, Mazatlan; (Samoan) 10 cs, 20 dms, Noumea; 5 cs, 5 dms, Lae; 1 dm, Apia
GYPSUM—1 kg, Santa Rosa, San Jose de Guatemala
INK—2 cs, President Coolidge, Batavia
PRINTING—6 cs, President Garfield, Bombay; (President Coolidge) 15 pls, 4 dms, 1 cs, Shanghai; 20 hlf dms, 25 pls, 13 cs, Manila
WRITING—(President Coolidge) 37 pkgs, Manila; 22 pkgs, Cebu; 63 pkgs, Shanghai; 138 pkgs, Hongkong; 170 pkgs, Bangkok
INSECTICIDE—2 dms, President Coolidge, Manila; 229 dms, Siantar, Capetown; 7 cs, Santa Rosa, San Joe de Guatemala; (President Garfield) 110 cs, Singapore; 13 cs, Manila
LIQUID—20 cs, President Garfield, Bahrein; 2 cs, Santa Rosa, Panama
KEROSENE—300 cs, Talamanca, Puerto Armuelles
LACQUER—1 cs, President Coolidge, Tsingtao; 9 cs, Santa Rosa, San Jose de Guatemala; (Siantar) 11 cs, Salisbury
64 pls, 78 cs, Capetown; 47 cs, Port Elizabeth; 96 pls, 100 cs, 2 dms, Johannesburg
THINNER—(Santa Rosa) 1 dm, San Jose de Guatemala; 3 dms, Havana; 14 dms, President Garfield, Calcutta; (Siantar) 10 cs, 6 pls, Salisbury; 17 dms, 100 pls, 2 cs, Capetown; 40 pls, Port Elizabeth; 30 dms, Johannesburg
LEAD ARSENATE—42 cs, Siantar, Port Elizbeth
RED—50 kgs, President Coolidge, Manila
RED DRY—8 dms, President Coolidge, Shanghai
20 dms, President Coolidge, Manila
5 kgs, Santa Rosa, San Jose de Guatemala
RED IN OIL—5 kgs, 1 cs, Santa Rosa, San Jose de Guatemala
WHITE—500 kgs, President Garfield, Manila
125 kgs, President Coolidge, Manila
WHITE DRY—14 dms, President Coolidge, Manila
2 cs, 42 kgs, Santa Rosa, San Jose de Guatemala
LINSEED CAKE—(Bretagne) 6,000 sks, Antwerp
6,000 sks, Belgium
LITHARGE—20 dms, President Coolidge, Manila; 22 bbls, 2 kgs, Siantar, Johannesburg
METHYL CHLORIDE—1 cyl, President Coolidge, Manila
MILK POWDER—(President Garfield) 125 bbls, Manila; 45 bbls, Hongkong; 5 bbls, Santa Rosa, La Libertad
OCHER—185 bbls, President Garfield, Kobe
OIL—1 dm, 4 cs, President Coolidge, Manila
COCONUT—5 dms, Santa Rosa, San Jose de Guatemala
CRUDE—1 dm, President Coolidge, Yokohama 93,357 bbls, G C Brovig, Kawasaki
DIESEL—11,500 bbls, Koyei, Nagoya; 521 bbls, Talamanca, Puerto Armuelles; 200 bbls, Samoan, Noumea
DRYING—1 cs, Santa Rosa, San Jose de Guatemala
FISH—1 cs, Santa Rosa, San Jose de Guatemala
HARDENED—(Santa Rosa) 100 sks, San Jose de Guatemala; 100 bls, Panama
LUBRICATING—(President Garfield) 25 dms, Kobe; 118 dms, Singapore; 76 dms Bahrein; 77 dms, 142 pls, 130 cs, Manila; (President Coolidge) 1 cs, Kobe; 22 cs, Hongkong; 120 dms, Dairen; 430 dms, Kobe; 105 dms, Yokohama; 35 dms, Shanghai; 52 cs, 35 dms, Manila; (General Sherman) 65 dms, Hongkong; 65 dms, Shanghai; 65 dms, Bretagne, Belgium, 1 dm, Pacific Enterprise, London; (Santa Rosa) 20 dms, Guayaquil; 50 dms, San Jose de Guatemala; 92 dms, 40 cs, 50 pls, Mazatlan; (Siantar) 200 dms, Mombasa; 40 dms, 11 cs, Capetown; 15 dms, 90 cs East London;30 cs, Lourenco Marques; 30 dms, 20 cs, Port Elizabeth; 100 cs, Beira; 465 dms, 550 cs, Durban; 10 dms, Talamanca, Kingston; (Samoan) 233 dms, 502 cs, Suva; 267 dms, 126 cs, Suva; 50 dms, 77 cs, Lae; 29 dms, Apia
SALAD—150 dms, President Coolidge, Yokohama
SOYBEAN—1 dm, Santa Rosa, Guayaquil
WINTERGREEN—1 cs, Santa Rosa, San Jose de Guatemala
PAINT—(President Garfield, 2 dms, 80 cs, 150 pls, Colombo; 39 cs, President Garfield, Manila; 40 pls, President Garfield, Shanghai; 141 cs, 60 pls, President Coolidge, Manila; 1 cs, Pacific Enterprise, Glasgow; (Santa Rosa) 6 cs, Guaymas; 120 cs, 17 kgs, San Jose de Guatemala; 2 cs, Havana; 11 cs, 4 kgs, Santiago; (Siantar) 1 dm, 3 cs, Capetown; 5 cs, Port Elizabeth; 13 cs, Johannesburg; 5 cs, 5 dms, Port Natal; 16 cs, Beira; 6 cs, 10 pls, Nairobi; 2 cs, Port Elizabeth
CEMENT—38 dms, 9 cs, President Garfield, Manila; 1 dm, Samoan, Noumea
COLD WATER—13 bbls, Santa Rosa, Caracas
PAINT, DRY—29 cs, Samoan, Noumea
PASTE—2 cs, President Garfield, Manila; 28 kgs, President Coolidge, Yokohama; 1 cs, Santa Rosa, San Jose de Guatemala; 4 cs, Siantar, Johannesburg
PREPARED—(Santa Rosa) 1 cs, Mazatlan; 3 cs, 1 dm, Santiago; 5 pls, Barranquilla; 1 cs, Samoan, Apia
REMOVER—4 cs, Santa Rosa, San Jose de Guatemala; 2 cs, Siantar, Johannesburg
THINNER—118 cs, President Coolidge, Manila
PEPPER, BLACK—(Santa Rosa) 10 bls, Colon; 10 sks, Mazatlan; 12 sks, Guayaquil
PERFUMERY—27 cs, President Coolidge, Manila
PETROLEUM—(President Garfield) 10 cs, Bahrein; 100 dms, Kobe; 150 dms, Pacific Enterprise, Purfleet; (Siantar) 1 cs, Canetown; 1 cs, Johannesburg; 35 dms, 300 cs, Capetown; 3,250 cs, 135 dms, Durban; (Samoan) 500 cs, Noumea; 1,710 cs, Apia; 4,430 cs, Suva
DISTILLATE—1 cs, President Coolidge, Yokohama; 13,708 bbls, G C Brovig, Yokohama
POLISH—(Siantar) 10 pls, Port Elizabeth; 7 cs, Capetown
FURNITURE — (President Garfield) 3 cs, Rizal; 12 cs, Bahrein; 14 cs, President Coolidge, Manila
METAL—40 cs, Koyei, Japan; (President Coolidge) 4 cs, Pasay; 12 cs, Manila
SHOE—(President Coolidge) 5 cs, Pasay; 17 cs, Manila; 7 cs, Shanghai
SILVER—5 cs, Koyei, Japan
POTASH AMYL XANTHATE—1 dm, Talamanca, Coquimbo
PUTTY—16 cs, 19 dms, President Coolidge, Manila; 20 kgs, 2 cs, Santa Rosa, San Jose de Guatemala; 1 cs, 3 kgs, Samoan, Lae
RADIATOR COMP—2 cs, President Garfield, Manila
SALT—80 sks, President Garfield, Manila; 75 sks, Samoan, Apia
SOAP FLAKE——2 cs, President Garfield, Bahrein
GRANULATED — 4 cs, President Garfield, Bahrein
LAUNDRY—7 cs, President Garfield, Bahrein; 2 cs, President Coolidge, Hongkong
POWDER—(President Coolidge) 1 cs, Pasay; 10 cs, Shanghai
PUMICE—5 cs, President Garfield, Bahrein
SCOURING—2 cs, President Garfield, Bahrein; (President Coolidge, 3 cs, Shanghai; 5 cs, Manila
TOILET—5 cs, President Garfield, Bahrein
SODA—5 cs, President Garfield, Singapore
ASH—60 sks, President Coolidge, Manila; 20 cs, Santa Rosa, Mazatlan
CAUSTIC—30 cs, Santa Rosa, Acapulco
ETHYL XANTHATE—8 dms, President Coolidge, Manila
SILICATE — (President Coolidge) 667 sks, Shanghai; 567 sks, Manila
SOLDER, LIQ—52 cs, Santa Rosa, Barranquilla
SOLVENT, BATHROOM—2 cs, President Garfield, Bahrein; (President Coolidge) 10 cs, Shanghai; 10 cs, Manila
DRAIN-PIPE—2 cs, President Coolidge, Pasay
STERILE SOL—18 cs, President Coolidge, Manila
SULPHUR—20 bbls, President Garfield, Singapore; (Siantar) 100 sks, East London; 400 sks, Port Elizabeth
FLOWERS—25 sks, Santa Rosa, La Libertad
TALLOW—50 dms, Santa Rosa, Cartagena
TANBARK EXTRACT—1,327 sks, President Coolidge, Osaka
TANSUL—1 cs, Santa Rosa, Mazatlan
TOILET PREPS—3 cs, President Garfield, Singapore; (President Coolidge) 4 cs, Yotsuyaka; 2 cs, Shanghai; 21 cs, Hongkong; 34 cs, Bangkok; 3,119 cs, Manila
VANILLA BEANS—3 cs, Pacific President, Vancouver
VARNISH—8 cs, President Garfield, Manila; 18 cs, President Coolidge, Manila; (Santa Rosa) 3 kgs, 1 dm, 12 cs, San Jose de Guatemala; 3 cs, Havana; 2 cs, Santiago
WATER, MINERAL—300 cs, President Coolidge, Manila
WAX, POLISH—(Santa Rosa) 1 cs, Curacao; 6 cs, San Jose de Guatemala
ZINC DUST—(Santa Rosa) 226 cs, Mazatlan; 20 cs, Cartagena

Savannah Exports

Clearance Dates

Alberta, May 15; Blackheath, May 19; Sundance, May 14

CLAY—2,540 bgs, Sundance, London
COTTON LINTERS—1,144 bls, Blackheath, Kobe
ROSIN GUM—(Sundance) 200 bbls, London; 100 bbls, Hull; 225 bbls, Antwerp; 225 bbls, Rotterdam
WOOD—133 bbls, Sundance, Antwerp
TURPENTINE, GUM—(Sundance) 310 bbls, London; 75 bbls, Antwerp; 50 bbls, Antwerp-Rotterdam; 575 bbls, Rotterdam

Tampa Exports

Clearance Dates

Angerer, May 13; Clara, May 15; Goldfield, May 15; Nordnes, May 17; Olympia, May 15; Oxelosund, May 7

BAKING POWDER—10 cs, Goldfield, Georgetown
GASOLINE—5 dms, Angerer, Belize; 49 cs, Goldfield, Georgetown
GUM—15 bxs, Goldfield, Georgetown
INSECTICIDE — 75 bgs, 10 dms, Goldfield, Georgetown
KEROSENE—18 dms, Goldfield, Georgetown
SOAP—30 cs, Goldfield, Georgetown
PHOSPHATE—7,971 tons, Olympia, Yokohama; 2,200 tons, Clara, Venice; 1,000 tons, Nordnes, New Westminster; 7,852 tons, Oxelosund, Antwerp

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—46,172 bbls, C A Canfield, New York
OIL, FUEL—2,684 bbls, Laura Corrado, Baytown
HEATING—74,594 bbls, M F Elliot, Baytown
PETROLEUM, CRUDE—145,870 bbls, W S Farish, Baytown; 53,701 bbls, Chilbar, Texas City; 145,511 bbls, G Harrison Smith, Baytown; 20,769 bbls, Halsey, New York

Galveston Coast Trade

SULPHUR—(Lafcomo) 1,500 tons, Hoquiam; 2,000 tons, Los Angeles; 700 tons, Bellingham; 2,400 tons, Tacoma

Los Angeles Coast Trade

GASOLINE—68,002 bbls, Mojave, Portland; 5,364 bbls, S & C No 2, San Diego; 3,844 bbls, S & C No 41, San Diego; 72,375 bbls, Reaper, Seattle
OIL, DIESEL—4,755 bbls, Mojave, Portland; 410 bbls, S & C No 2, San Diego; 747 bbls, S & C No 41, San Diego
FLUSHING—2,339 bbls, Tejon, Davenport; 64,500 bbls, Antietam, Portland; 1,950 bbls, Scotia, Eureka; 60,929 bbls, Eagle, Portland
FUEL—63,813 bbls, Tejon, Davenport; 38,000 bbls, S O Barge No 95, Richmond; 7,796 bbls, Mojave, Portland
FURNACE—2,312 bbls, Mojave, Portland
PETROLEUM, CRUDE—76,958 bbls, La Brea, Oleum

San Francisco Coast Trade

ACID—125 crbys, Charles L Wheeler, Jr, Portland, Ore
ASPHALT—85 pkgs, Ernest H Meyer, Portland, Ore
BITUMEN EMULS—3,500 bbls, West Camargo, Portland, Ore
BONE MEAL—500 sks, Charles L Wheeler, Jr, Portland, Ore
500 sks, Wallingford, Seattle
CASEIN—20 tons, Alaskan, New York
CATALIZER—14 tons, Alaskan, Philadelphia
CHEMICALS—600 lbs, Point Caleta, Houston
CHLORINE BLEACH, LIQUID—900 cs, Point San Pablo, Tacoma
250 tons, Everett, Baltimore
55 tons, Everett, Norfolk
125 tons, Everett, Albany
2,750 cs, Willmoto, Charleston
1,000 cs, Willmoto, Bridgeport
1,000 cs, Wallingford, Seattle
COCONUT, DESIC—50 cs, Katrina Luckenbach, Houston
301 tons, California, New York
10 tons, Coast Merchant, Portland, Ore
COLOR, EARTH—18 tons, Alaskan, New York
DRUGS—81 cs, American, Portland, Ore
EPSOM SALT—20 tons, Wapama, Los Angeles
GLUE—18 tons, California, New York
THINNER—50 dms, Point San Pablo, Seattle
HOPS—4 tons, Alaskan, Boston
INK—150 pkgs, Wallingford, Seattle
INSECTICIDE—2,400 cs, Wallingford, Seattle
LEAD, WHITE—20 tons, Everett, Albany
LIME—1,200 sks, Point San Pablo, Seattle
LITHARGE—18 tons, Everett, Brooklyn
20 tons, Everett, Albany
MAGNESITE—84 tons, K I Luckenbach, New York
MATCHES—1,000 cs, Point San Pablo, Seattle
MILK POWDER—25 tons, Alaskan, Boston
16 tons, Willmoto, Baltimore
175 dms, Point Caleta, Tampa
SUGAR—25 tons, Alaskan, Philadelphia
NAPHTHA—13 tons, Everett, Brooklyn
OIL—3,074 pkgs, Ernest H Meyer, Willbridge
75 dms, Wapama, Los Angeles
1 dm, American, Portland, Ore
764 pkgs, Wallingford, Seattle
COCONUT—1 dm, American, Portland, Ore
COTTONSEED—50 dms, Wallingford, Tacoma
LUBRICATING—114 tons, California, New York
170 dms, Point Caleta, Houston
500 dms, Point Caleta, Beaumont
PERILLA—200 dms, Alaskan, New York
25 dms, Willmoto, Baltimore
TEASEED—150 dms, Alaskan, New York
PAINT—305 pkgs, Ernest H Meyer, Portland, Ore
397 pkgs, Wallingford, Seattle
SAGO FLOUR—4,112 sks, Katrina Luckenbach, Mobile
SALT—500 pkgs, Point San Pablo, Tacoma
3,600 pkgs, Charles L Wheeler, Jr, Portland, Ore
50 tons, Coast Merchant, Portland, Ore
3,500 pkgs, Ernest H Meyer, Portland, Ore
SALT (Continued):—
4,000 pkgs, Wallingford, Seattle
1,000 pkgs, Wallingford, Tacoma
SAND—600 sks, Ernest H Meyer, Portland, Ore
SOAP—1,338 cs, Wapama, Los Angeles
250 cs, Wallingford, Seattle
CASTILE—30 cs, Willmoto, Providence
SODA SILICATE—325 pkgs, Point San Pablo, Seattle
83 tons, K I Luckenbach, Philadelphia
30 tons, Wapama, Los Angeles
SOLVENT—69 dms, Ernest H Meyer, Portland, Ore
SPRAY, TREE—250 dms, Charles L Wheeler, Portland, Ore
125 dms, Ernest H Meyer, Portland, Ore
250 dms, 600 cs, Wallingford, Seattle
SUNFLOWER SEED—19 tons, K I Luckenbach, New York
60 sks, Point Caleta, Tampa
TALLOW—100 bbls, Wapama, Long Beach
TURPENTINE—1 cs, American, Portland, Ore
XANTHATE—30 tons, Alaskan, New York

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended May 26

Almond oil, sweet, 25 cases; not U.S.P.
Chlorophyl, 4 cases; restricted use.
Codliver oil, poultry, 150 drums; restricted use.
Cod oil, technical, 150 drums; restricted use.
Coriander seed, 35 bags; filthy.
Digitalis leaves, 7 cases; excessive moisture.
Ergot, 60 cases; excessive moisture.
Ergot, 38 drums; excessive moisture.
Gum benzoin, 55 cases; contains rosin.
Mace, 5 cases; filthy.
Medicinal preparations, 7 cases; false therapeutic claims.
Medicinal preparations, 1 case; false therapeutic claims; contains wood alcohol.
Medicinal preparations, 1 case; misbranded as to composition.
Olive oil, 12 cases; false and misleading statements.
Orange flower water, 3 cases; excessive non-volatile residue.
Pollack liver oil, 40 drums; restricted use.
Thyme leaves, 20 bales; filthy.

Boston

Week Ended May 26

Codliver oil, poultry, 14 drums; contains added foreign oils or substance.

Buffalo

Week Ended May 26

Medicinal preparation, 1 case; false therapeutic claims.

Los Angeles

Week Ended May 20

Sesame seed, 6,000 bags; filthy.

Philadelphia

Week Ended May 26

Codliver oil, 1 case; restricted use.
Medicinal preparation, 1 case; false therapeutic claims.

San Francisco

Week Ended May 20

Ginger, 1 case; net weight not declared.
Medicinal preparations, 7 cases; potentially dangerous to health.

Seattle

Week Ended May 20

Medicinal preparations, 50 pieces; acetanilid incorrectly declared.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Abbott Laboratories	.....	Q.	40c.	June 30	June 15
Abbott Laboratories	.....	Ext.	10c.	June 30	June 15
American Chicle Co.	Com.	Q.	$1.00	June 15	June 1
American Chicle Co.	Com.	Spl.	$1.00	June 15	June 1
Armour & Co. (Ill.)	Com.	..	20c.	June 15	May 25
Atlas Powder Co.	Com.	..	75c.	June 10	May 28
Bon Ami Co.	Cl. A	Q.	$1.00	July 31	July 15
Bon Ami Co.	Cl. B	Q.	62½c.	July 31	July 15
Buckeye Pipeline Co.	.....	..	$1.00	June 15	May 28
Calumet & Hecla Cons. Copper Co.	.....	..	50c.	June 16	June 1
Chesebrough Mfg. Co.	.....	Q.	$1.00	June 28	June 4
Chesebrough Mfg. Co.	.....	Ext.	50c.	June 28	June 4
Commercial Solvents Corp.	Com.	S.	30c.	June 30	June 1
Compressed Industrial Gases, Inc.	.....	Q.	50c.	June 15	May 27
Continental Oil Co.	.....	..	25c.	June 30	June 9
Continental Oil Co.	.....	Ext.	25c.	June 30	June 9
Congoleum-Nairn, Inc.	Com.	Q.	50c.	June 15	June 1
Crown Cork & Seal Co.	Pfd.	Q.	56¼c.	June 15	May 28
Darby Petroleum Co.	Com.	..	25c.	July 15	July 2
Dominguez Oil Fields	.....	..	25c.	May 29	May 22
Dow Chemical Co.	Com.	..	50c.	May 28	May 24
Du Pont (E. I.) de Nemours & Co.	Com.	..	$2.00	June 15	May 27
Eastman Kodak Company	Com.	Q.	$2.00	.....	.....
Eastman Kodak Company	Pfd.	Q.	$1.50	.....	.....
Fohs Oil Co.	.....	..	$1.00	June 15	June 1
Glidden Co.	Com.	Q.	50c.	July 1	June 17
Glidden Co.	Com.	Ext.	30c.	July 1	June 17
Hiram Walker-Gooderham & Worts, Ltd.	Com.	Q.	50c.	June 15	May 21
Hiram Walker-Gooderham & Worts, Ltd.	Pfd.	Q.	25c.	June 15	May 21
Hudson Bay Mining & Smelting Co.	.....	..	75c.	June 28	May 28
Humble Oil & Refining Co.	Com.	..	37½c.	July 1	June 1
International Nickel (Can.) Co.	.....	..	50c.	June 30	June 1
Kennecott Copper Corp.	.....	..	50c.	June 30	June 4
Kennecott Copper Corp.	.....	Ext. Spl.	25c.	June 30	June 4
Koppers Co.	Pfd.	Q.	$1.50	July 1	June 12
Libbey-Owens-Ford Glass Co.	Com.	..	75c.	June 15	May 28
McKesson & Robbins (Md.)	Pfd.	Q.	75c.	June 15	May 29
Masonite Corp.	Com.	Q.	25c.	June 10	May 29
Masonite Corp.	Com.	Ext.	50c.	June 10	May 29
Monsanto Chemical Co.	.....	..	50c.	June 15	May 25
Minneapolis-Honeywell Regulator Co.	Pfd. B	Q.	$1.00	June 1	May 20
National Lead Co.	A pfd.	Q.	$1.75	June 15	May 28
National Oil Products Co.	Com.	..	50c.	June 30	June 18
New Jersey Zinc Co.	.....	..	50c.	June 10	May 20
Penick & Ford, Ltd.	Com.	..	25c.	June 15	June 1
Pennsylvania Salt Mfg. Co.	Com.	..	$2.50	June 15	May 29
Peoples Drug Stores Co.	Pfd.	Q.	$1.62½	June 16	June 1
Philadelphia Co.	$6 pfd.	Q.	$1.50	July 1	June 1
Philadelphia Co.	$5 pfd.	Q.	$1.25	July 1	June 1
Pittsburgh Plate Glass Co.	Com.	..	$1.50	July 1	June 10
Plymouth Oil Co.	.....	..	85c.	June 30	June 2
Procter & Gamble Co.	Pfd.	Q.	$1.25	June 15	May 25
Pyrene Mfg. Co.	Com.	..	20c.	June 15	June 1
St. Joseph Lead Co.	.....	..	50c.	June 21	June 10
St. Joseph Lead Co.	.....	Ext.	50c.	June 21	June 10
Seaboard Oil Co. (Del.)	.....	Q.	25c.	June 15	June 1
Skelly Oil Co.	Com.	..	50c.	July 1	June 1
Standard Oil Co. (Ky.)	.....	Q.	25c.	June 15	May 28
Standard Oil Co. (Ky.)	.....	Ext.	15c.	June 15	May 28
Sun Oil Co.	Com.	Q.	25c.	June 15	May 25
Swift & Co.	.....	Q.	30c.	July 1	June 1
Texas Gulf Sulphur Co.	.....	..	50c.	June 15	June 1
Texas Gulf Sulphur Co.	.....	Ext.	25c.	June 15	June 1
United Carbon Co.	Com.	Q.	$1.00	July 1	June 15
Walgreen Co.	Pfd.	Q.	$1.12½	June 15	May 26
Westland Oil Royalty Co.	Cl. A	M.	10c.	June 15	May 29
Wrigley (Wm.) jr. (Del.)	.....	M.	25c.	June 1	May 20

Corporation Earnings Recently Reported

	Period.	1936 Net income.	1936 Per share.	1935 Net income.	1935 Per share.
Amerada Corp.	1936	$1,983,901	$2.52	$1,797,613	$2.28
American Can Co.	1936	17,310,303	...	19,522,945	...
American Potash & Chemical Corp.	1936	1,907,550	3.61	931,059	1.76
Big Lake Oil Co.	1936	872,730	2.18	1,018,207	2.55
Buffalo General Electric Co.	1936	3,497,699	...	2,563,970	...
California Petroleum Co.	1936	2,543,400	...	*51,471	...
Canadian Oil Cos.	1936	174,154	.10	279,114	.83
Coca-Cola Co.	1936	20,398,078	4.66	15,804,256	3.48
Consolidated Mining & Smelting Co.	1936	6,953,158	2.13	4,306,559	1.32
Coty, Inc.	1936	216,994	...	*236,685	...
Creole Petroleum Corp.	1936	8,596,448	1.23	5,509,067	.79
Devonian Oil Co.	1936	776,649	2.41	630,281	1.96
Dow Drug Co.	1936	100,634	.76	85,042	.60
Emerson Drug Co.	1936	1,413,545	1.82	1,135,742	1.42
Evans-Wallower Lead Co.	1936	*42,696	...	*18,223	...
Fansteel Metallurgical Corp.	1936	161,056	...	129,123	...
Fohs Oil Co.	1936	1,152,774	10.50	107,604	1.01
Haloid Co.	1936	194,715	1.28	149,599	1.24
Imperial Oil, Ltd.	1936	25,628,285	.93	25,229,850	.94
MacAndrews & Forbes Co.	1936	881,644	2.51	856,863	2.43
Mid-Continent Petroleum Corp.	1936	4,777,578	2.57	2,417,176	1.31
Nehi Corp.	1936	570,507	34.58	258,570	15.67
Oceanic Oil Co.	1936	148,682	.15	85,461	.09
Pennsylvania Salt Mfg. Co.	12 mos.	1,724,403	11.50	1,168,762	7.79
Pierce Oil Corp.	1936	*1,108,085	...	3,259	...
Pierce Petroleum Corp.	1936	*679,758	...	124,355	...
Pinchin Johnson & Co.	1936	†309,863	...	†302,131	...
Pittsburgh Metallurgical Co.	1936	145,143	14.51	130,806	13.09
Royalite Oil Co.	1936	801,356	1.14	738,172	1.06
Unilever, Ltd.	1936	‡3,463,000	...	‡2,432,000	...
Unilever, NV.	1936	‡15,459,000	...	‡13,568,000	...
United Dyewood Corp.	1936	514,156	2.21	403,874	1.38
United States Foil Co.	1936	607,762	.85	521,502	.72

* Deficit. † Pounds. ‡Florins.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative branch office of the bureau, and not to this publication. When writing, give the number of the item:—

Aluminum Foil, White, Plain and Embossed, and Plain White and Colored for Wrapping Candies; and Foil for Cigarette Packages:—Agency, Johannesburg, South Africa (3271).

Caustic Soda:—Agency, Havana, Cuba (3250).

Crude Drugs:—Agency, Cairo, Egypt (3265).

Dyes for Cotton Goods:—Agency, Havana, Cuba (3250).

Lacquer Manufacturing Materials (Nitrocellulose and Acetylcellulose):—Purchase, Bourges, Bulgaria (3264).

Pharmaceutical Preparations and Chemical Specialties:—Purchase, Caracas, Venezuela (3260).

Pigments and Drying Oils:—Purchase, Managua, Nicaragua (3262).

Rosin, Turpentine and Other Naval Stores:—Purchase, Prague, Czechoslovakia (3242).

Sodium Hydrosulphite:—Agency, Havana, Cuba (3250).

Sulphonated Oils:—Agency, Havana, Cuba (3250).

Toilet Preparations, Shaving Creams, Toothpaste, Prepared Medicines, and Chemical Specialties:—Purchase and agency, Capetown, South Africa (3248).

Toilet Preparations and Cosmetics:—Agency, Cairo, Egypt (3278).

Toilet Preparations and Other Supplies for Beauty Parlors:—Purchase, Manila, P. I. (3279).

Toothpaste:—Agency, Cairo, Egypt (3251).

Searle & Co. Engages Dillon

Dr. Robert T. Dillon has resigned as research assistant at the hospital of the Rockefeller Institute for Medical Research to become a member of the chemical staff of G. D. Searle & Co., pharmaceutical manufacturer, Chicago, under the direction of Dr. Albert L. Raymond. Dr. Dillon is a graduate of the California Institute of Technology. He was engaged in research work as an American Petroleum Institute fellow, and he has taught at the California Institute of Technology, in addition to his research work with the Rockefeller institute. His work has embraced butenes, butyl alcohol, reaction rates, Reman spectra, amino acids, sugars, enzymes, gas and electrolytic equilibria in blood.

Obituaries

(Continued from page 4)

up every pipeline, refinery or tottering oil company that appeared of value. Within about eight years, the company had the entire pipeline business of the country under its control and a major part of the gathering and refining business.

The automobile age, and the gasoline business that was to develop, were undreamed when Mr. Rockefeller started to turn over his affairs to his son John D., jr. Mr. Rockefeller's retirement from business actually began about 1896, but he remained as president of the Standard Oil Company of New Jersey for many years.

It has been estimated that Mr. Rockefeller earned in the neighborhood of $2,000,000,000 in his lifetime, but his personal wealth at the time of his death was understood to have been a mere fraction of that amount. During the past quarter of a century his benefactions and philanthropic gifts were probably greater than those of any man that ever lived. More than $530,000,000 was given to mankind in charities too numerous to mention. Perhaps his best known philanthropic undertakings were the Rockefeller Foundation, to which he gave $183,000,000; the General Education Board, which was an outgrowth of the Baptist Educational Society; the Laura Spelman Memorial, in memory of his wife; and the Rockefeller Institute.

Mr. Rockefeller and Laura Spelman were married in 1864. She died in 1915. He is survived by his son John D., and a daughter, Mrs. Alta Prentice, of this city. His body was taken from Ormond Beach to his home in Pocantico Hills, N. Y., where simple services were held, attended by his family and a few friends. Interment was at Lakeview cemetery, Cleveland, May 27.

All operations of the Standard Oil Company of New Jersey and subsidiaries all over the world were halted for 5 minutes at 11 a.m., May 26, at the time when family services were being held at the Rockefeller home. Tributes to his memory were received from all over the world, from great nations down to the humble neighbors of his Summer and Winter homes. One of the most touching tributes to his memory was a resolution passed at a special meeting of the Board of Directors of the Standard Oil Company of New Jersey. The tribute follows:—

"To this generation Mr. Rockefeller was best known as a philanthropist who conducted the orderly distribution of great wealth not by impulse, but by painstaking and scientific effort. He tried to discover the best and most enduring way to ameliorate the ills of the world. But widespread as were his benefactions and far-reaching as they are upon the welfare of nations, his achievements in recreating business and industrial processes will, in the end, we think, be regarded as his greatest gift to humanity.

"During Mr. Rockefeller's early life he was subject to criticism and misrepresentation, but he lived to see his theories vindicated and to be recognized as a great benefactor of the human race. His life embraced almost four generations and no man of his time exerted a more profound influence upon commercial progress. No man ever revealed a greater genius for efficient industrial organization, and the methods of low cost production and distribution which he introduced into his own business have since spread to practically all basic industries.

"Scientific research as applied to industry is now the order of the day. It should be remembered that Mr. Rockefeller was a pioneer in discerning its importance and that much of his own wealth was due to his vision in this respect.

"It was indeed providential for the United States that when one of its great industries, the oil business, was in a condition of reckless exploitation and chaos, a man of foresight occupied himself in its development. Almost from the outset the wage earnings classes instinctively regarded Mr. Rockefeller as a friend. Among those with any real claim to knowledge of the facts, his name was always a synonym for fair dealings, and that reputation was the heritage he left to his successors when he retired from active business.

"Mr. Rockefeller was revered by his associates, not less for his kindliness than for his genius, and those who took up the work from which he withdrew owe his memory an undying debt of gratitude for the precepts and traditions that he laid down."

John L. McKinney

John L. McKinney, one of the earliest independent oil producers in Pennsylvania, an associate of John D. Rockefeller, and a founder and director of the American Radiator Company, died in his home in Titusville, Pa., May 20. He was ninety-four years old.

Born in Pittsfield, Pa., Mr. McKinney was one of seven sons of James McKinney, who owned large tracts of timber and farm land, which became valuable when the Drake well was drilled. Mr. McKinney entered the oil business in 1861 and four years later he and a younger brother, the late J. C. McKinney, organized McKinney Brothers, which became one of the largest oil producing concerns in the early Pennsylvania fields. A few years later they merged with the Union Oil Company, and in 1899 the Union Oil Company with the Standard Oil Company. The McKinney brothers refused cash and took stock of the old Standard Oil Trust from John D. Rockefeller and his associates. Mr. Rockefeller put them at the head of his Pennsylvania producing interests. The Rockefeller interests were combined in the South Penn Oil Company and Mr. McKinney remained its director for twenty-five years. When he resigned in 1918 he was vice-president of the company. Mr. McKinney helped form the Titusville Oil Exchange in 1880, and was its president for years. Mr. McKinney was also associated with Henry M. Flagler in development work. Surviving are his wife, Mrs. Alliene Ford McKinney, and a daughter, Miss Ethelyn McKinney, Greenwich, Conn. John R. McKinney, of the Stock Exchange firm of McKinney & Weicker, this city, is Mr. McKinney's grandson.

Robert M. Sands

Robert M. Sands, successor to the late Edward L. Doheny, as president of the Petroleum Securities Company, and executor of the Doheny estate, died of a heart attack May 20 in Harwich, England. He was sixty years old. Born in Mobile, Ala., Mr. Sands in 1914 became secretary to Mr. Doheny and of the Petroleum Securities Company, and remained in that position until 1930 when he was made vice-president, general manager, and a director. He was also a director of the Tide Water Associated Oil Company, and Los Nietos Producing & Refining Company. Surviving are his wife, Mrs. Marcia Gibson Sands; two daughters, Miss Catherine Sands and Mrs. Frank Baker, Beverly Hills, Cal., and a son, Robert G. Sands.

Ernst B. Filsinger, president of Filsinger, Hines & Campbell, Inc., exporting house, this city, died may 25 in Shanghai, China. From 1928 to 1932 he was vice-president of the Royal Baking Powder Company, in charge of its export business, and he was a former president of the Export Managers Club. Mr. Filsinger was born in St. Louis and was fifty-six years old.

Professor William Foster, member of the chemistry department at Princeton University for thirty-seven years, and author of several well-known textbooks, died in his home in Princeton, May 24 after a long illness. He was sixty-eight years old. Besides his writings, Professor Foster was known for his studies in new compounds of arsenic, chlorinated ethers, and the conductivity of the electrolytes. He was a fellow of the American Association for the Advancement of Science, and a member of the American Chemical Society, and the American Institute of Chemists. He was a native of Kentucky. Surviving are his wife and three daughters, Mrs. George S. Watts, Kingston, Ont.; Miss Wilhelmina Foster, and Miss Helen S. Foster, New York.

J. K. Mathis, president of the Rodessa Oil & Land Company, Shreveport, La., died in that city May 17. The company owns extensive acreage in the Rodessa oil field. Mr. Mathis was a native of Memphis, Tenn., and had been president of the Rodessa company since the death of his father in 1932. He is survived by his wife, a sister, Mrs. A. A. Adams, Shreveport, and one brother, Harry F. Mathis, Memphis.

Credit Men Convene June 21-24

The National Association of Credit Men will hold its forty-second annual convention in the Stevens hotel, Chicago, June 21 to 24, inclusive, and wholesale, manufacturing and banking executives are expected to gather from every State in the country to a total reaching 3,500 delegates. Coincident with the convention will be the Credit Congress of Industry, a successful feature for the last six years. E. M. Tourtelot, vice-president of the First National Bank, Chicago, has accepted the general chairmanship of the convention.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

FIRM with headquarters in Cincinnati and covering Dayton, Columbus and Louisville would be interested in hearing from firms producing chemicals, oils, pigments or other raw materials, who would be interested in representation. BOX 208, Oil, Paint and Drug Reporter.

Buildings Offered

BRICK BUILDING, modern one-story, 5,200 sq. ft. concrete floor, truck level, live steam available 24 hours day, railroad siding, yard, unrestricted district Brooklyn. The R. L. Kraft Company, Woolworth Building. COrt. 7-9377.

Capital Offered

SERVICES and moderate investment offered, by chemist with successful sales executive and organizing experience. Interested in small manufacturing firm or laboratory. BOX 221, Oil, Paint and Drug Reporter.

Containers Offered

FOR SALE—Five thousand new 2 gal. cans with inner seals and screw caps. Cartons for same holding 3-2 gal. cans. Priced very low. Will dispose all or in part. BOX 218, Oil, Paint and Drug Reporter.

Equipment Offered

FROM the $10,000,000 Spreckels liquidation. —Three No. 4 Vallez rotary filters; 42-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 500 tons valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; large assortment laboratory equipment and library; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant, Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

Equipment Offered

FOR SALE—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 174, Oil, Paint and Drug Reporter.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

PEBBLE MILLS rebuilt and relined in our shop fully guaranteed. We build new mills and know how. A few good used mills in stock. Edw. W. Lawler, Inc., Durham avenue and L.V.R.R., Metuchen, N. J.

Equipment Wanted

WANTED for immediate purchase, one steel-lined Ball mill in first-class condition, approximate size 30x30 in. BOX 223, Oil, Paint and Drug Reporter.

Factories Offered

CALCIMINE and whiting factory, located on Long Island City waterfront; approximately 75 x 230; for rent, including machinery; reasonable. Harry I. Stein, 551 Fifth avenue, New York.

Materials Offered

WE CAN SUPPLY any quantity up to 100,000 pounds fine powdered 100 percent pure insect powder (genuine pyrethrum flowers), with low test pyrethrins content, for domestic or export use, at 7 cents per pound, packed in bags, f.o.b. New York, if unsold. BOX 197, Oil, Paint and Drug Reporter.

NAPHTHALENE—Offer 40 tons slightly off shade. Will sell at 25 percent below market. BOX 199, Oil, Paint and Drug Reporter.

AIRPLANE DOPE, clear acetate, in steel drums; 5,000 gals. and upward; Atlantic seaboard; good material, very low price. Henry K. Fort Co., 2227 N. American St., Philadelphia, Pa.

Materials Offered

OFFERS REQUESTED on carload or less nickel salts, single and nickel carbonate; ton each black cohosh; lady slipper root, ground; acid carbolic, liquid, eighty-five percent; hundred pounds lycopodium, colocynth pulp, terpin hydrate. BOX 222, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

Plants Offered

FOR SALE—Fully equipped paint plant, 60x100, two floors, large yard. Has flourishing business, $150,000 per year. Located in Brooklyn, N. Y. Good opportunity for right party. BOX 215, Oil, Paint and Drug Reporter.

Plants Wanted

PLANT WANTED with good transportation facilities, already equipped for general chemical manufacture. Should include boiler, pumps, mixers, filter presses, pulverizers, storage tanks. Give full details in first letter. BOX 173, Oil, Paint and Drug Reporter.

Positions Vacant

EXPERIENCED SALESMAN wanted having complete technical knowledge and experience in application of inerts, such as clays, whiting, mica, earth colors, etc., in paint, rubber and allied industries. State fully experience and qualifications. BOX 210, Oil, Paint and Drug Reporter.

PHARMACEUTICAL SALESMAN wanted to sell in Iowa, a developed territory, for an established firm. A resident of Iowa with car preferred. State age, experience and references in first letter. BOX 219, Oil, Paint and Drug Reporter.

Positions Wanted

COATER, TABLETMAKER, able to turn out first-class products, seeks position. BOX 205, Oil, Paint and Drug Reporter.

Positions Wanted

PAINT MAKER, experienced in all branches of paint manufacturing, seeks position of responsibility; at present located in New York. BOX 207, Oil, Paint and Drug Reporter.

POSITION WANTED—Experience in the manufacturing of wall texture, sand finish for plastering and painting trade. All formulas, casein, base or cement; also water colors. H. Sommers, Park avenue, East Meadow, Hempstead, N. Y.

BUYER, MANAGER or assistant salesman, 20 years unusually diversified experience domestic, import, export, wholesale drugs, light and heavy chemicals, essential oils, botanicals, pharmaceuticals, gums, waxes, spices, allied lines, desires position. BOX 214, Oil, Paint and Drug Reporter.

MALE STENOGRAPHER, over ten years one chemical concern, seeks position as secretary or assistant to executive, well versed in technical terminology; moderate salary. BOX 216, Oil, Paint and Drug Reporter.

DRY COLOR and printing ink expert desires position with reliable concern in either field. Will locate anywhere. BOX 217, Oil, Paint and Drug Reporter.

CHEMIST, experienced in oxidation products to be used in bleaching, decolorizing, refining and purifying oils, fats and beeswax. BOX 220, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER with analytical and development work in edible oils, assaying and fatty acids. BOX 224, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST with five years' work in making drugs and perfumes. BOX 225, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER wants job in which experience in making pharmaceuticals, alcohols, etc., and also Bureau of Standards work will be used. BOX 226, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES.—Cash for any quantity surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 101A East 19th street, New York. STuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, porcelain and silex lined, 10 to 1,000 gals, some with roller bearings.
5—Colton Richen & Mulford Tablet Machines, ¼" to 2" dia.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—36" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
5—Day Pony Mixers, 8, 15 and 40 gals.
6—Paste Mixers, 50 to 100 gals.
1—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 300 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
3—Buffalo 33"x99" Double Drum Atmospheric Dryers.
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
9—Devine and Buffalo Vacuum Shelf Dryers, assorted sizes.
8—Copper and Aluminum Jacketed Kettles, 175 to 400 gals.
9—Roller Mills 3x10 up to 16x40.

Miscellaneous: Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers; Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

CONSOLIDATED PRODUCTS COMPANY, Inc.

15-17-19 Park Row, New York, N. Y.
Phone: Barclay 7-0600
Plant: 338 Doremus Ave., Newark, N. J.
Cable Address: Equipment

A.P.I. Advances Opening Date

The opening date of the seventh mid-year meeting of the American Petroleum Institute, in the Broadmoor hotel, Colorado Springs, has been advanced to May 31 to provide sufficient time for holding additional committee meetings. The group sessions of divisions and departments will be held on June 2 and 3, as originally scheduled.

Glidden Plans to Increase Stock

Stockholders of the Glidden Company, Cleveland, at a special meeting June 22, will vote on a proposed increase of its authorized common stock from 1,000,000 to 1,200,000 shares. The purpose of the step is to provide a block of stock which can be offered to common-stock holders should there be need for additional capital.

Natural Nitrate of Soda
Natural Potash Nitrate
Natural Iodine

CHILEAN NITRATE SALES CORPORATION
120 BROADWAY, NEW YORK, N. Y.

Fertilizer Materials

Markets at Other Centers

San Francisco, May 26.—Rather restricted movements characterized fertilizers in the trade here last week. The market was quiet with interest generally lacking. While there may have been some interest in imported tankage, the domestic animal products market was mediocre on account of the light kill and domestic blood and tankage were for the most part nominal. Further, the trade is only interested at a price level that is not particularly interesting to sellers. Substantial shipments of Japanese sardine meal are arriving, a good portion of which is destined for inland and east coast shipment, but business in new offerings for shipment has subsided. Some talk is current on new crop California sardine meal at prices below the spot market for last season's material. Inorganic fertilizers were quiet, with the trade waiting word on sulphate of ammonia.

Ruling prices are:—

NITRATE OF SODA.—100-pound bags, $28 per ton; 200-pound bags, $27.30 per ton; bulk lots, $26 per ton, all ex-vessel San Francisco, Oakland.

SULPHATE OF AMMONIA.—Quoted at $29.50 per ton, f.o.b. cars in 100-pound bags, San Francisco and Los Angeles harbor and $30.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $31.50 per ton. Prices good for delivery to end of June.

AMMONIA PHOSPHATE.—Quoted at $39 per ton, single bags; $39.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16%N., 20%P.A. Inland points, delivered, $1 per ton extra.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor. Bags, 85c. to 90c. per unit. Foreign material, nominally quoted at $1 per unit in bags, c.i.f. Pacific Coast ports.

FISH MEALS.—California sardine meal quoted at $50 to $52.50 per ton, prompt shipment, f.o.b. cars, San Francisco/Monterey, with resale material figuring at slightly less. Japanese sardine meal is quoted on the basis of $42.50 per ton, resale, fertilizer grade, ex-dock, San Francisco, with first-hand quotations at $44. Japanese machine dried, resale material, quoted nominally at $47 per ton ex-dock, San Francisco.

TANKAGE.—Local packing house tankage, ground, fertilizer grade, quoted at $3.65 to $3.75 and 10c. per unit-ton, nominally, f.o.b. cars, San Francisco. Dry rendered, ground, quoted nominally at 85c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 75c.

BONE MEAL.—Domestic, steamed, quoted according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL.—Domestic quoted nominally at $3.55 to $3.65 per unit, f.o.b. cars, San Francisco.

IN PLANT AS WHEN LAST OPERATED

2—Devine No. 11 Vacuum Shelf Dryer Units with Condenser, Pump, Piping, etc.
1—Dopp 135 gallon steam jacketed, agitated Kettle.
2—Watson-Stillman Hydraulic Pumps, 2,700 lbs. pressure, 13¾ gallon per minute capacity.

Double arm Mixers, Grinders, Filters, etc.

STEIN-BRILL CORPORATION
185 Varick St., New York, N. Y.
WAlker 5-6892

Charles J. Brand, executive secretary of the National Fertilizer Association, will address the plenary session of the International Chamber of Commerce Congress in Berlin this summer on "Effect of Controls on Output, Prices, and Movements of Primary Products."

Index to Advertisements

Advance Solvents & Chemical Corp.... —
Alexander, Jerome.... 62
Ambassador, The.... —
American Agricultural Chemical Co.... —
American-British Chemical Supplies, Inc.... —
American Can Co.... 18
American Chemical Products Co.... —
American Chlorophyll, Inc.... 42
American Cyanamid & Chemical Corp.8, 9
American Flange & Mfg. Co.... —
American Fluoride & Chemical Corp.... —
American Potash & Chemical Corp.... 46
American Seitz Filter Corp.... —
Anaconda .... —
Anderson-Prichard Oil Corp.... —
Ansbacher-Siegel Corp.... —
Apex Chemical Co., Inc.... —
Atlantic Refining Co.... —

Baker, J. T., Chemical Co.... 44
Barium Reduction Corp.... 1
Barrett Company....32, 61
Benckiser, Joh. A.... —
Benzol Products Co.... —
Berk, F. W., & Co., Ltd.... 72
Binney & Smith Co.... 38
Bradley, A. J., Mfg. Co.... 40
Brode Corp., The.... 42
Bureau of Chemistry.... 62
Bush, W. J., & Co., Inc.... —

Calco Chemical Co., Inc.... 71
California Fruit Growers Exchange.54, 72
Carbide & Carbon Chemicals Corp.... 2
Carey, The Philip, Co.... —
Carpinello, Michael J., Inc.... 62
Chemical Solvents, C. P., Inc.... 72
Chilean Nitrate Sales Corp.... 70
Chrystal, Chas. B., Co., Inc.... 58
Church & Dwight Co.... 29
Cliffs-Dow Chemical Co.... 1
Colledge, E. W., General Sales Agent, Inc.... —
Colton, Arthur, Co.... 39
Columbia Alkali Co.... —
Columbian Carbon Co.... 38
Commercial Solvents Corp.... 11
Conewango Refining Co.... —
Consolidated Products Co., Inc.... 70
Continental Carbon Co.... —
Cooper, Chas., & Co.... —
Crown Can Co.... —

Darling & Co.... —
Deep Rock Oil Corp.... —
Delta Chemical & Iron Co.... 72
Dewey & Almy Chemical Co.... —
Diamond Alkali Co.... 31
Dodge & Olcott Co.... 56
Doggett, Stanley, Inc.... 40
Dow Chemical Co.... 47
Draper Mfg. Co.... —
Drury, A. C., & Co., Inc.... 46
Dunkel, Paul A., & Co., Inc.... 53
Du Pont de Nemours, E. I., & Co..1, 28, 30

Eagle-Picher Lead Co.... —
Eastman Kodak Co.... —
Ehrmann-Strauss Co., Inc.... —
Electro Bleaching Gas Co.... 14
Emery Industries, Inc.... —
Eppenbach, Inc.... 51
Eureka Machine Co.... —

Falk & Co.... 42
Fezandie & Sperrie.... 35
Filtrol Corp.... —
First Machinery Corp.... —
Fluorine Products.... —
Food Research Laboratories, Inc.... 62
Frank-Vliet Co.... —
Franks Chemical Products Co.... —
Fritzsche Bros., Inc....55, 59

General Amer. Tank & Storage Term.. —
General Chemical Co.... —
General Dyestuffs Corp.... —
General Electric Co.... —
General Plastics, Inc.... —
Givaudan-Delawanna, Inc.... 37
Glyco Products Co.... —
Gray, William S., & Co.... 1
Gray Industrial Laboratories.... 62
Greeff, R. W., & Co., Inc.... 1
Gross, A., & Co.... 41
Gruman, J. B., Co.... 64

Harshaw Chemical Co.... 45
Heekin Can Co.... 37
Hercules Powder Co....12, 13
Heyden Chemical Corp.... 45
Hinde & Dauch Paper Co.... —
Hochstadter Laboratories.... 62
Holt, C. J., & Co., Inc.... 62
Hoover, Geo. W.... 62
Hopkins, J. L., & Co., Inc.... 53
Horn, Jefferys, & Co.... 39
Houston Pipe Line Co.... 24
Huber, F., Inc.... 53
Huisking, Chas. L., & Co., Inc.... 46
Hutchinson, D. W., & Co., Inc.... 55

Imperial Oil & Gas Products Corp.... —
Imperial Paper & Color Corp.... 39
Independent Mfg. Co.... —
Innis, Speiden & Co.... —
International Pulp Co.... —
Irvington Smelting & Refining Works.. 29

Jackson, L. N., Co., Inc.... 41
Jones & Laughlin Steel Corp.... 33
Jungmann & Co., Inc.... 29

Kentucky Color & Chemical Co.... 40
Knight, B. H.... 62
Koppers Co.... 33
Koster Keunen.... —
Krebs Pigment & Color Corp.... —

Lanning, E. M., Co., Inc.... 62
LaWall & Harrisson.... 62
Lewis, John D., Inc.... —
Lueders, Geo., & Co.... 55

Magnetic Pigment Co.... 38
Magnus, Mabee & Reynard, Inc.... 55
Mallinckrodt Chemical Works.... 6
Malmstrom, N. I., & Co....42, 51
Mathieson Alkali Works, Inc.... 22
McCormick & Co., Inc.... 53
McKesson & Robbins, Inc.... 46
McNulty, Joseph A.... 39
Mechling Bros. Chemical Co.... 72
Menhaden Fish Products Co.... 42
Merck & Co.... 16
Metasap Chemical Co.... —
Michel Export Co.... —
Miel, George A.... 62
Minnesota Specialty Co.... —
Monsanto Chemical Co.... 48
Murray & Nickell Mfg. Co.... 53
Mutual Chemical Company of America. 35

National Aniline & Chemical Co., Inc.. 50
National Lead Co.... —
National Milk Sugar Co., Inc.... 46
National Rosin, Oil & Size Co.... 40
National Wholesale Druggists Association 51
Neuberg, William, Inc.... 46
Neville Co.... —
New Jersey Zinc Co.... 36
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp.... 35
Niagara Alkali Co.... —
Nichols Copper Co.... 30
N. V. Potash Export My, Inc.... 61

Oldbury Electro-Chemical Co.... —
Orbis Products Corp.... —
Orthmann Laboratories, Inc.... 62
Osborn, C. J., Co.... 39

Pacific Coast Borax Co.... 1
Pacific Food & Drug Laboratories.... 62
Pacific Vegetable Oil Corp.... —
Parsons, M. W.... 40
Pease Laboratories, Inc.... 62
Penick, S. B., & Co.... 52
Pennsylvania Coal Products Co.... —
Pennsylvania Refining Co.... 59
Pennsylvania Salt Mfg. Co.... —
Pfaltz & Bauer, Inc.... —
Pfizer, Chas., & Co., Inc.... 27
Polachek, Z. H.... 62
Potash Co. of America.... 62
Pressed Steel Tank Co.... —
Procter & Gamble....41, 46
Publicker Commercial Alcohol Co.... —
Purdy, W. S., Co., Inc.... 62
Pure Calcium Products Co.... —

Reilly Tar & Chemical Corp.... —
Rosenthal, H. H., Co., Inc.... —
Ryland, H. C., Inc.... 55

Sadtler, Samuel P., & Sons, Inc.... 62
St. Joseph Lead Co.... —
Schimmel & Co., Inc.... 55
Schofield-Donald Co., Inc.... —
Schwabacher, S., & Co., Inc.... 46
Schwarz Laboratories, Inc.... 62
Scientific Filter Co.... 55
Scott Chemical Co.... —
Seil, Putt & Rusby, Inc.... 62
Sharples Solvents Corp.... —
Sherka Chemical Co., Inc.... 46
Sherwood Petroleum Co., Inc.... 59
Skelly Oil Co.... —
Smith, Kline & French Laboratories.. —
Snell, Foster D., Inc.... 62
Solvay Sales Corp.... 30
Sonneborn, L., Sons, Inc.... 72
Southwark Mfg. Co.... —
Staley, A. E., Mfg. Co.... —
Standard Ultramarine Co.... 40
Stauffer Chemical Co.... 23
Stein-Brill Corp.... 70
Stillwell & Gladding.... 62
Stroock & Wittenberg Corp.... —
Sundheimer, Henry, Inc.... 29

Taintor Trading Co.... 40
Tamms Silica Co.... 40
Tar & Chemical Division of Koppers Co. 33
Tennessee Corp.... 29
Texas Gulf Sulphur Co., Inc.... —
Thornton, The F. C., Co., Inc.... —
Thurston & Braidich.... 53
Titanium Pigment Corp.... —
Todd, A. M., Co.... —
Turner, Joseph, & Co.... 29

Union Carbide & Carbon Corp.... 2
United Clay Mines Corp.... 40
U. S. Industrial Alcohol Co.... —
U. S. Industrial Chemical Co.... —
U. S. Phosphoric Products Corp.... 29
United States Potash Co.... 61

Vanderbilt, R. T., Co., Inc.... —
Victor Chemical Works.... 72
Viking Distributing Co.... —
Vitab Products, Inc.... —
Vol-U-Meter Co., Inc.... 40
Vorce, L. D.... 62

Wecoline Products, Inc.... 41
Weiss & Downs, Inc.... 62
Werk, The M., Co.... 41
White Tar Co. of N. J., Inc.... 33
Wiley & Co., Inc.... 62
Will & Baumer Candle Co.... —
Williams, C. K., & Co.... —
Wishnick-Tumpeer, Inc.... 10
Woburn Degreasing Co. of N. J.... —
Wolf, Jacques, & Co.... —
Wood Preserving Corp.... 33

● In high quality Ultramarine and Cobalt Blues, we offer a complete line of standard and specialized types for Paint and Printing Ink manufacturers. We also have a high quality range of types for Paper, Rubber, Soap, Linoleum and Textile Trades. Ask for a free working sample today.

ULTRAMARINE
and
COBALT BLUES

THE ULTRAMARINE COMPANY

SELLING AGENTS
THE CALCO CHEMICAL COMPANY INC.

HELLER & MERZ A DIVISION OF THE CALCO CHEMICAL CO., INC.

BOUND BROOK · NEW JERSEY
NEW YORK · CHICAGO · BOSTON · PHILADELPHIA · CHARLOTTE

"SERRASOL" PROPRIETARY SOLVENT ALCOHOL
QUALITY SERVICE PRICE
CHEMICAL SOLVENTS
Incorporated
Sole Distributors for DESTILERIA SERRALLES, INC., Ponce, Puerto Rico, U. S. A.
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM
FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES
L. SONNEBORN SONS, INC.
Refiners of White Oil and Petrolatum · Refineries: Petrolia and Franklin, Pa.
New York 88 Lexington Avenue · Los Angeles 215 West 5th Street · Chicago 400 West Madison Street

Great Britain, British Colonies and Continental Europe
will act as Sales Representatives for well established American manufacturers of
Industrial Chemicals
•
F. W. BERK & CO. LTD.
ESTABLISHED 1870
52-54, LEADENHALL STREET, LONDON, E. C. 3.

MECHLING'S
HEAVY CHEMICALS
AGRICULTURAL INSECTICIDES
Silicate of Soda
Hyposulphite of Soda
Sulphite of Soda
Bisulphite of Soda
Sal Soda
Spraying and Dusting Materials
Immediately available in any amount
•
We will gladly advise you on particular problems
MECHLING BROS. CHEMICALS
DIVISION OF GENERAL CHEMICAL COMPANY
CAMDEN, N. J. BOSTON, MASS.

SERVICE
UNIFORMITY
QUALITY
VICTOR
FORMIC ACID
85% and 90% Strengths
Noted for its purity, uniformity and stability. Will not darken when exposed to light. Will not cloud up when diluted. Free from sulphates and chlorides.
VICTOR CHEMICAL WORKS
141 W. JACKSON BLVD. CHICAGO ILL.

DELTA
REDISTILLED ACETIC ACID
28%, 56%, 70%, 80%
REFINED METHANOL
95%-97%—Purified—Anti-Freeze
METHYL ACETONE
KETONES
DELTA CHEMICAL AND IRON CO.
WELLS, MICHIGAN

EXCHANGE Citric Acid is manufactured by the Exchange Lemon Products Company of Corona, California. Backed by the Sunkist group of 13,500 citrus growers—largest in the world.

Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

Exchange
CITRIC ACID U.S.P.
CRYSTALS
GRANULAR
POWDERED

MADE FROM AMERICAN LEMONS
Products Department
CALIFORNIA FRUIT GROWERS EXCHANGE
189 W. Madison St., Chicago, Ill. . . . ONTARIO, CALIF. . . . 99 Hudson St., New York, N. Y.

LIBRARY